Air conditioning & Heating

Catalogue 2008

the taylor-made comfort

ELECTRA

Air conditioning

Summary 2008

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Wall mounted

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Floor/Ceiling

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Multisplits

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Heat pump

Cooling only

Fluid R410A

Fluid R407C

Fluid R22

All Electra products bear the CE mark.

ELECTRA participates in the Eurovent certification programme. Certified product are listed in the directory published by Eurovent.

G E N E R A L N O T E S

All values are specified for a 230V supply voltage. Nominal cooling capacity: International conditions : 27°C/19°C (wet bulb) – outside air temperature 35°C/24°C (wet bulb) (Standards NF EN 255.2 – NF EN 814.2). Nominal heating capacity: International conditions: 20°C/12°C (wet bulb) – outside air temperature 7°C/6°C (wet bulb) (Standards NF EN 255.2 – NF EN 814.2). Acoustic levels: Global acoustic pressure in dBa (1 m comfort range, 4 m industrial and chilled water) under nominal conditions: outdoor unit in an open area against a reflective background – indoor unit: installation in an average sized room (PV – 0.5 s reverberation) or acoustic capacity depending on models.

6 production sites in the world

With its state-of-the art manufacturing facilities benefiting from the most up-to-date production methods, the Group has 6 production sites throughout the world with a total annual capacity of 2,000,000 units. To meet ever-changing market demands, we have structured our design and manufacturing systems around each manufacturing site's specialisation.

Tillières (France)

Manufacture of industrial appliances for world markets. Aeraulics, thermodynamics and fluid mechanics R&D Centre.

Surface area: 110,000 m².

Annual production: 180,000 units.

Barlassina (Italy)

Manufacture of large capacity air conditioning and chilled water production appliances up to 1,000 kW as well as convector fans.

Surface area: 50,000 m².

Annual production: 30,000 units.

Shenzhen (China)

Production of low capacity residential and semi-industrial appliances.

Surface area: 100,000 m².

Annual production: 1,000,000 units.

Pons (France)

Manufacture of medium capacity chilled water production appliances, chilled water terminals, convector fan and air treatment units

Surface area: 55,000 m².

Annual production: 72,000 units.

Rishon-Le-Zion (Israel)

Manufacture of residential and tertiary sector appliances.

Surface area: 73,000 m².

Annual production: 500,000 units.

Dong-Guan (China)

Production and R&D Centre for electronic components at Group level.

Surface area: 15,000 m².

Annual production: 5 million items (PCB, RC, IAQ…).

Shenzhen (China)

A group in continuous expansion

ELECTRA was originally founded in 1947 and now the Group has a worldwide presence. Via its network of sales outlets, ELECTRA is dedicated to the design, manufacture and marketing of air conditioning systems adapted to the most demanding markets. Thanks to our continuous development programms, we offer a broad range of products, for meeting today's needs in the residential, tertiary and industrial sectors.

Tillières (France)

Shenzhen (China)

Innovation only has meaning if it includes respect for the environment.

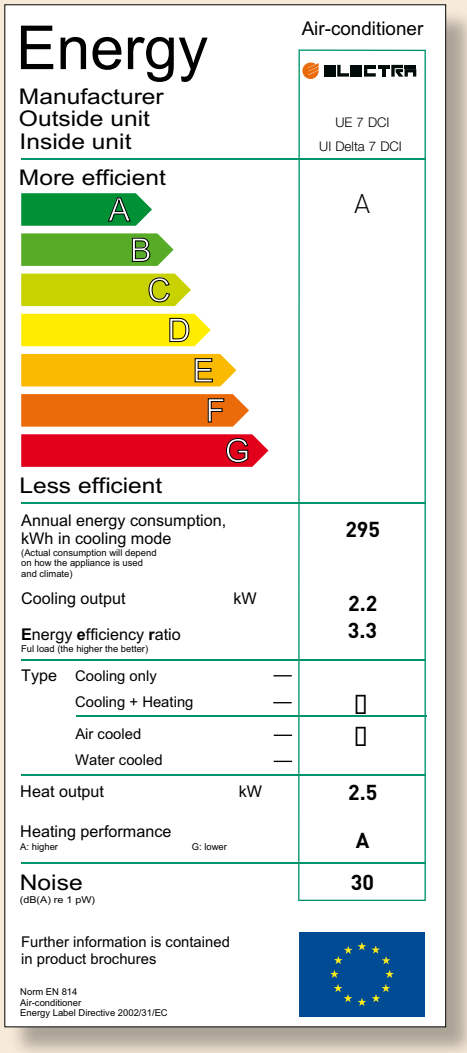
All ELECTRA employees take pride in designing, manufacturing and marketing products that always match users' expectations and that are respectful of our environment. Therefore, we are always seeking the balance between technology and ecology on all of our products by complying with the most stringent requirements in terms of quality and respect for the environment.
In line with this principle and with European directives, in all its appliances ELECTRA uses environmentally friendly fluids that do not harm the ozone layer.
An HFC (hydro-fluoro-carbon) type fluid that protects the environment and the ozone layer.
Environmental protection and sustainable development have always been at the very core of our design preoccupations.

WEEE (Waste electrical and electronic equipment)

On 13th August 2005, the new European Directive on Waste Electrical and Electronic Equipment (WEEE) came into force.
The Directive's aim is to regulate the disposal of electronic waste by separating its treatment from that of household waste.
Selective collection systems are being put in place to recover all WEEE with the view to recycling.
This Directive requires air conditioning appliance manufacturers and distributors to:
- Mark certain models marketed after 13th August 2005.
- Meet financial obligations associated with end-of-life appliance recycling.

As users of our products, and on those products covered by the Directive, you will observe a pictogram (see illustration below) on the Maker's plate representing a «crossed-out refuse bin». This pictogram is intended to inform the user that the appliance in question must be disposed of separately from household waste.
As part of its sustainable development policy, along with the entire profession, Electra is committed to abiding by this new European initiative. Our environment is precious, let's preserve it.

The labelling classifies air conditioning systems in 7 categories (from A to G) in relation to their energy consumption. Those appliances with the best energy efficiency are awarded an A label (Green colour arrow on the label) those with the lowest energy efficiency a G label (Red colour arrow). This label also includes a certain number of details (Brand, Model, Cooling and heating capacity, Noise level) and allows the user to compare the efficiency of different products.



Indication of annual energy consumption

Based on a standard model, this annual consumption is calculated by multiplying the total capacity by an average running time of 500 hours per annum in Cooling mode and under full load.

• Cooling capacity

The refrigerating capacity is defined as the cooling capacity in kW of an appliance, running in Cooling mode under full load.

EER or Energy Efficiency Ratio

This is the ratio between the refrigerating capacity and the amount of electricity consumed to attain it. In other words, the higher the EER, the better the energy efficiency.

Energy Efficiency Categories* in cooling mode

A EER > 3.2	**E** 2.6 > EER > 2.4
B 3.2 > EER > 3.0	**F** 2.4 > EER > 2.2
C 3.0 > EER > 2.8	**G** 2.2 > EER
D 2.8 > EER > 2.6	

• Heating Capacity

Heating capacity is defined as the Heating capacity in kW of an appliance running in Heating mode and under full load.

COP or Coefficient of Performance

This is the ratio between the Heating capacity and the quantity of electricity consumed to attain it. In other words, the higher the COP, the better the energy efficiency.

Energy Efficiency Categories* in heating mode

A COP > 3.6	**E** 2.8 > COP > 2.6
B 3.6 > COP > 3.4	**F** 2.6 > COP > 2.4
C 3.4 > COP > 3.2	**G** 2.4 > COP
D 3.2 > COP > 2.8	

*only for splits and multisplits.

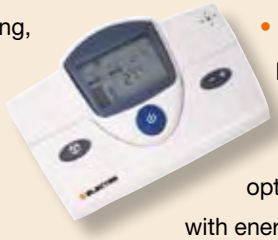
Remote controls

RC4 model

With their compact size and excellent ergonomics, ELECTRA infrared remote controls provide perfect user comfort. As a clever blend of design and high technology, these remote controls with a signal transmission range of 8 m, enable easy day-to-day control of a complete range of functions to make users' lives easier. These remote controls allow the user to select the operating mode (Heating, Cooling, Dehumidification), to choose the desired temperature, the fan speed and the air sweeping function as well as to programme a whole host of sophisticated functions such as:

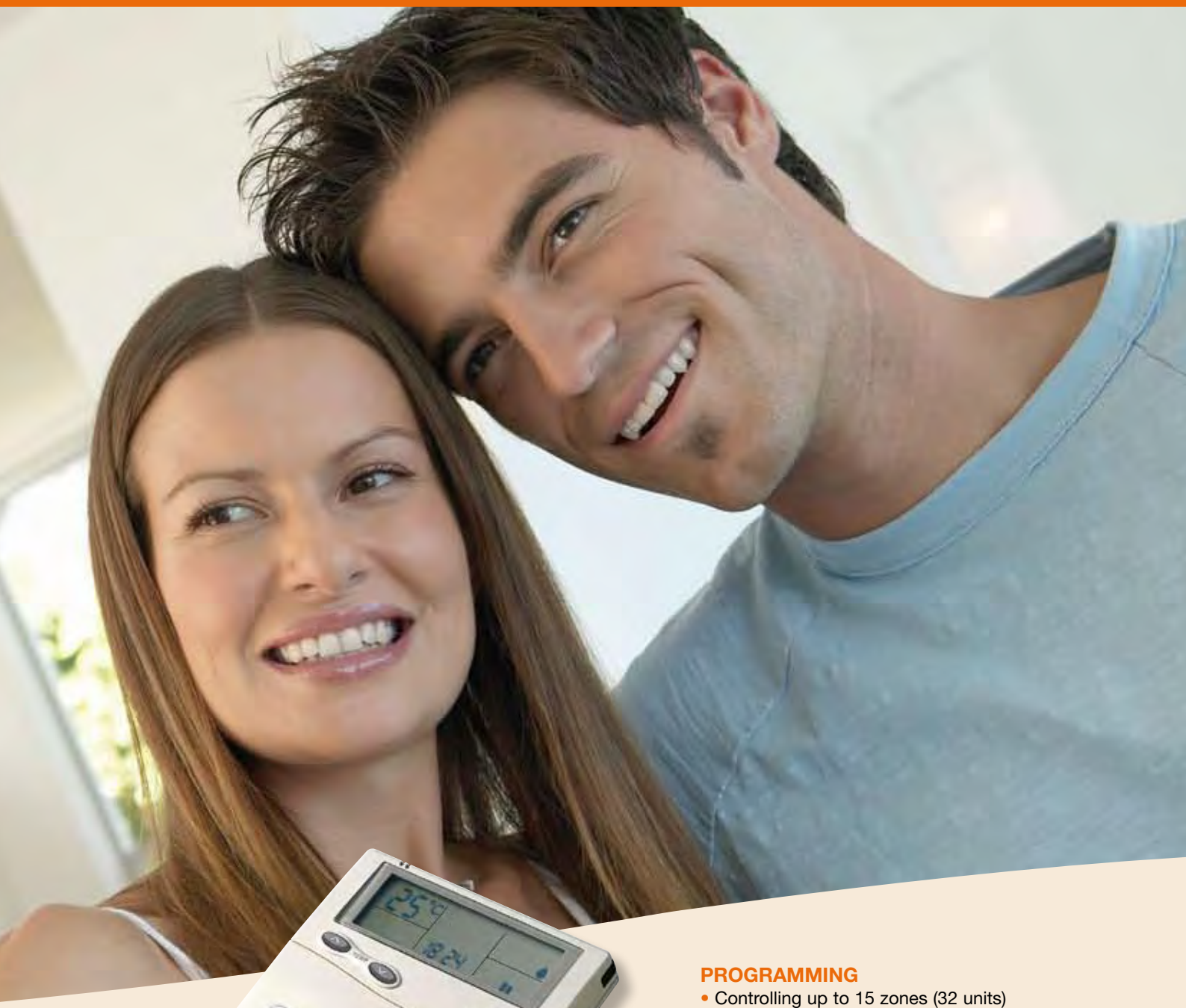
- Night time slow running. This function adapts the night time temperature in an ideal manner, whilst reducing consumption and creating energy savings of up to 7%.
- "I FEEL" function. This innovation from ELECTRA's R&D department enables the point of temperature measurement to be moved, leading to better temperature control.
- Programming. This function provides for deferred, or programmed, unit ON/OFF control and results in optimised user comfort along with energy savings.

RC3 model



RC6 model

RC5 model



RCW2 model

Multi-functions remote controls at the forefront of ergonomic design

PROGRAMMING

- Controlling up to 15 zones (32 units) with individual unit time programming and temperature setting functions.
- 7 day programmable thermostat with 2 daily setting ranges.

BASIC FUNCTIONS

- Heating/Cooling electronic regulation.
- Automatic fan ventilation or 3 fixed speeds fan ventilation.
- Night time slow running.
- Dehumidification.

CENTRALISED CONTROL

- Easy functions duplication for quick programming.
- “Master/Slave” function.
- Time delayed start up of air treatment units (multiple unit installations).
- Permanent “I feel” function (single unit installations).

Remote management of your air conditioning network

Airconet is a complete, powerful and user-friendly system providing remote management of air conditioning installations in an overall and customised manner:

- **Centralised control of a group of indoor units (building, floor…).**
- **Individual control in each pre-defined room and zone.**

Irrespective of the type of building, by way of a simple PC connected to the Internet or to the building's local network, Airconet provides total control of a complete air conditioning system.
In fact, from the Airconet communication gateway connected to each of the indoor units and depending on access rights granted, the user can regulate blown air temperatures and fan speeds and even receive e-mail or SMS alerts regarding any system malfunctions…

Installation architecture

Basic configuration: 1 Airconet communication gateway module per site capable of managing up to 247 indoor units, 1 MIU per indoor unit depending on the unit type.

NB. Each distributor needs to have 1 converter (SP000000080) to loan out to installers. This converter is required for initial installation configuration.

Advantages :

- User-friendly, straightforward, efficient and autonomous interface.
- Plug and Play installation, no software installation, modem integrated in the communication Gateway.
- Integrated system supervision, easy to use.
- Choice of languages.
- Perfect compatibility with Windows operating systems : XP, 2000, NT, 98…
- Up to 247 units managed by a single communication Gateway.
- Very low investment.

Benefits :

- Improved occupant comfort (e.g. timing a unit to start operating before the arrival of the client/occupant).
- Lower energy bills by way of energy savings derived from overall installation control, and therefore close control of energy consumption.
- Simplified management and improved maintenance thanks to optimal installation control and real time interventions.
- Extended equipment service life.
- Completely upgradeable system.
- Real time alerts by e-mail or SMS of any installation malfunction.

Principle :

The heart of the system is the Airconet communication gateway. This is a module installed on site and connected, on the one hand to all the air conditioning units to be managed by way of an MIU (Modbus Interface Unit) and, on the other hand, to a LAN/WEB network. In this manner, the user can connect to the communication gateway via a PC with an internet connection. Thanks to the Plug & Play system there is no requirement for the user to install any special software as this is already loaded in the Airconet communication gateway. Via the PC's internet navigator, it is possible to set and alter parameters such as room temperatures and timer programming as well as to be alerted in the event of any possible malfunctions.

Several user levels

Level	User	Possibilities	
1	Company employee	Local normal control of an individual unit	CUSTOMER
2	Reception manager (hotels…)	Centralised normal control of all units	
3	Maintenance manager	Communication gateway information verification	
4	Technician	System definition	SERVICE
5	Supervisor/Developer	Database and parameters	

Communication gateway

Range	Size	Part number
Managed with all indoor units	Managed with all sizes	AIRCONET006

MIU - Communication cards

Range	Model	Size	Part number
DC Inverter	CK DCI	9/12/18/21/24	Please, consult us
	PXD DCI	9/12/18/24/28	Please, consult us
	LSN DCI	9/12/18/24	Please, consult us
	ECF DCI	9/12/18	Please, consult us
R410A	WNG N	30	Please, consult us
	TOP	9/12	Please, consult us
	PXD N	9/12/15/18/24/30	Please, consult us
	ECF N	9/11/15/18	Please, consult us
	ECF XL N	24/30/36/45	Please, consult us
	DNG	18/24/30/37/44	Please, consult us
R407C/R22	CCE 45	all sizes	

NOTE 1 : Each "Airconet XXX" reference includes the communication board (MIU) as well as the connections required for connecting to the unit.
NOTE 2 : In addition to 40 MIU boards connected to the communication gateway, a REPEATER (free of charge supply) must be installed.

EUROPE range

DC INVERTER

R-410A

R-407C

WALL MOUNTED

DELTA DCI	14
PLATINIUM DCI	16
COMPACT F	18
WNG N	20
TOP N	22

CASSETTES

CN DCI	24
ECF / ECF XL DCI	26
ECFN / ECF XL N	28

FLOOR / CEILING

PXD DCI	30
PXD N / NSA	32

DUCTED

LS DCI	34
DNG DCI	36
LS / DNG	38

MOBILE / MONOBLOC

SMILY / N	40
JKF	41

WINDOWS-COLUMN

AWD	42
CCE	43

MULTISPLITS

DUO/TRIO/QUATTRO DCI	44
DUO/TRIO DELTA	46
DUO R410A	48

Wall mounted DELTA DC INVERTER

Product benefits

- Flexibility and comfort of use.
- Extended operating range.
- Optimal efficiency : Class A energy label (depending on models).
- Reduced noise levels.
- High efficiency filtration.
- Electronic regulation and programming.
- Automatic treated air sweeping.
- R410A «green» fluid.
- Optimal temperature regulation.
- Heating mode operation down to outdoor temperatures of -15 °C.

Wall monted range

: Platinium DC INV — Delta DC INV

: Compact F ——— WNG N ——— Top

DELTA 7/9 DCI

DELTA 12/18 DCI

RC7 Remote control

OU 7/9/12 DCI

OU 18 DCI

Accessories

		DELTA 7 DC INV	DELTA 9 DC INV	DELTA 12 DC INV	DELTA 18 DC INV
Mounting bracket	• Part number	7ACTL0016	7ACTL0016	7ACTL0016	7ACTL0016
Condensate lift pump	• Part number	SAE3100	SAE3100	SAE3100	SAE3100

4 Heat Pump models DCI : from 2500 to 5300 W

DELTA DC INVERTER SERIES		DELTA 7 DCI	DELTA 9 DCI	DELTA 12 DCI	DELTA 18 DCI
Cooling Capacity	**kW**	**2.2**	**2.5**	**3.5**	**5**
Power Input	kW	0.66	0.75	1.03	1.56
EER/Energy Label		3.33/A	3.33/A	3.39/A	3.2/B
Outdoor temperature operating limits	°C	←-10 °/46 ° Dry Bulb→			
Heating Capacity	**kW**	**2.5**	**2.8**	**3.6**	**5.3**
Power Input	kW	0.73	0.82	1.05	1.55
COP/Energy Label		3.42/B	3.41/B	3.42/B	3.41/B
Outdoor temperature operating limits	°C	←-15 °/24 ° Dry Bulb→			
Indoor Units					
Air flow (LS/NS/HS)	m³/h	300/350/400	270/350/420	350/450/550	480/620/720
Acoustic pressure to 1 m (LS/NS/HS)	dB(A)	30/33/36	32/35/39	29/33/39	34/41/44
Dehumidification	l/h	1	1	1.5	2
Weight	kg	7	7	8	11
Dimensions (WxDxH)	mm	680x185x250	680x185x250	840x185x250	900x205x295
• **Part number 1~230 V**		**ESP022275**	**ESP022276**	**ESP022277**	**ESP022278**
Outdoor Units					
Air flow	m³/h	1400	1390	1390	2160
Acoustic pressure to 1 m	dB(A)	54	54	55	53
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Rotary DC Inverter	Scroll DC Inverter
Weight	kg	35	36	37	38
Dimensions (WxDxH)	mm	760x245x545	830x245x545	830x245x545	795x290x610
• **Part number 1~230 V**		**ESP061601**	**ESP061602**	**ESP061603**	**ESP061597**
Linking specifications between indoor and outdoor units					
Power supply					
Power supply side		Indoor	Indoor	Indoor	Indoor
Power cable section	mm²	3x1.5	3x1.5	3x1.5	3x1.5
Fuse rating am	A	12	12	16	20
Electrical connections	mm²	4x1.5	4x1.5	4x1.5	5x1.5
Linking pipes					
Max. lenght	m	15	15	15	15
Max. height	m	10	10	10	10
Suction pipe diameter	Inches	3/8"	3/8"	3/8"	1/2"
Liquid pipe diameter	Inches	1/4"	1/4"	1/4"	1/4"

Wall mounted PLATINIUM DC INVERTER

Product benefits

- Perfect comfort, unequalled unobtrusiveness, great accuracy in maintaining the desired temperature and controlling air quality.
- R410A «green» fluid.
- Optimal efficiency : Class A energy label (depending on models).
- Heating mode operation down to outdoor temperatures of -15 °C.
- Optimal temperature regulation.
- Electronic regulation and programming.
- AQS filtration : electrostatic filter + Ioniser.
- Automatic treated air sweeping.
- LCD screen.
- Fluid pre-charged at the factory for up to 20 m pipe lengths (depending on models).
- Compatible with AIRCONET regulation (PLATINIUM 18 DCI).

Wall monted range

: Platinium DC INV — Delta DC INV

: Compact F ——— WNG N ——— Top

PLATINIUM 21 DCI

PLATINIUM 25/28 DCI

RC3 Remote control

OU PLATINIUM 18 DCI

OU PLATINIUM 25/28 DCI

Accessories

		PLATINIUM 21 DC INV	PLATINIUM 25 DC INV	PLATINIUM 28 DC INV
Condensate lift pump	• Part number	SAE3100	SAE3100	SAE3100

3 Heat Pump models DCI : from 6500 to 8500 W

PLATINIUM DC INVERTER SERIES		PLATINIUM 21 DCI	PLATINIUM 25 DCI	PLATINIUM 28 DCI
Cooling Capacity	**kW**	**6 (1.5-6.7)**	**6.8 (1.5-7.5)**	**7.8 (1.5-8.8)**
Power Input	kW	1.99	2.25	2.59
EER/Energy Label		3.01/B	3.0/B	3.0/B
Outdoor temperature operating limits	°C		←-10 °/46 ° Dry Bulb→	
Heating Capacity	**kW**	**6.5 (1.8-7.9)**	**7.0 (1.5-8.8)**	**8.5 (1.5-9.5)**
Heating Capacity at -15 °C	kW	-	-	-
Power Input	kW	1.90	2.19	2.65
COP/Energy Label		3.42/B	3.2/C	3.2/C
Outdoor temperature operating limits	°C		←-15 °/24 ° Dry Bulb→	
Indoor Units				
Air flow (LS/NS/HS)	m³/h	620/760/900	700/850/1000	950/1100/1250
Acoustic pressure to 1 m (LS/HS)	dB(A)	34/45	38/47	44/51
Dehumidification	l/h	2	2.5	3
Weight	kg	15	15	18.5
Dimensions (WxDxH)	mm	1060x210x295	1060x210x295	1200x236x340
• **Part number 1~230 V**		**ESP022280**	**ESP022282**	**ESP022284**
Outdoor Units				
Air flow	m³/h	2860	3600	3600
Acoustic pressure to 1 m	dB(A)	55	56	56
Compressor type		Scroll DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Weight	kg	46	64.5	66
Dimensions (WxDxH)	mm	846x302x690	950x412x835	950x412x835
• **Part number 1~230 V**		**ESP061598**	**ESP061599**	**ESP061600**
Linking specifications between indoor and outdoor units				
Power supply				
Power supply side		Indoor	Outdoor	Outdoor
Power cable section	mm²	3x2.5	3x2.5	3x2.5
Fuse rating am	A	20	20	20
Electrical connections	mm²	4x2.5	4x2.5	4x2.5
Linking pipes				
Max. lenght	m	30	30	30
Max. height	m	10	15	15
Suction pipe diameter	Inches	1/2"	5/8"	5/8"
Liquid pipe diameter	Inches	1/4"	3/8"	3/8"

Wall mounted COMPACT F (R410A)

NEW

Product benefits

- New design with flat panet grill.
- Compact and lightweight for easy installation and maintenance.
- 2 ventilation speed plus automatic speed.
- Cold/hot Automatic regulation.
- Automatic vertical treated air sweeping.
- High efficiency filtration.
- COMPACT 9 & 12 (available with class C on request).

Wall monted range

: Delta DCI ——— Platinium DCI

: COMPACT F ——— WNG N —— TOP N

COMPACT F 7/9/12/18

RC3 Remote control

OU 7/9/12 RC

OU NG 18

Accessories

		COMPACT F7	COMPACT F9	COMPACT F12	COMPACT F18
Mounting bracket	• Part number	7ACTL0016	7ACTL0016	7ACTL0016	7ACTL0018

4 Heat Pump models R410A: from 2 310 to 5 000 W

COMPACT SERIES		COMPACT F 7	COMPACT F 9	COMPACT F 12	COMPACT F 18
Cooling Capacity	**kW**	**2.32**	**2.76**	**3.6**	**5**
Power Input	kW	0.72	0.84	1.12	1.66
EER/Energy Label		3.2/A	3.29/A	3.21/A	3.01/B
Out. temperature operating limits	°C		←10/46 ° Dry Bulb→		
Heating Capacity	**kW**	**2.31**	**3.07**	**3.84**	**5**
Power Input	kW	0.68	0.9	1.12	1.62
COP/Energy Label		3.41/B	3.43/B	3.43/B	3.09/D
Out. temperature operating limits	°C		←-9 °/24 ° Dry Bulb→		
Indoor units					
Sound pressure level to 1 m (LS/HS)	dB(A)	31/37	35/40	33/40	35/44
Sound power level	dB(A)	45/50	48/52	47/53	45/55
Airflow (LS/HS)	m^3/h	320/400	350/450	460/620	450/670
Dehumidification	l/h	0.7	1.2	1.5	2
Dimensions (WxDxH)	mm	680x180x250	680x180x250	840x180x250	900x200x295
Weight	kg	7	7	8	15
• **Part number**		**ESP022408**	**ESP022409**	**ESP022410**	**ESP022411**
Outdoor units					
Sound pressure level to 1 m	dB(A)	53	51	54	54
Sound power level	dB(A)	62	61	65	65
Airflow	m^3/h	1200	1370	1450	2160
Compressor type		Rotary	Rotary	Rotary	Rotary
Weight	kg	27.5	33.5	38	43
Dimensions (WxDxH)	mm	610x240x520	830x245x545	830x245x545	795x290x610
• **Part number**		**ESP061568**	**ESP061569**	**ESP061570**	**ESP061571**
Linking specifications between indoor and outdoor units					
Power supply 1~230 V					
Power supply side		Indoor	Indoor	Indoor	Indoor
Power cable section	mm^2	3x1.5	3x1.5	3x1.5	3x1.5
Fuse rating am	A	10	10	16	16
Electrical connections	mm^2	4x1	4x1	4x1.5	4x1.5
Electrical connections	mm^2	5x1	5x1	5x1.5	5x1.5
Linking pipes					
Max. lenght	m	10	12	15	15
Max. height	m	7	7	7	7
Suction pipe diameter	Inches	3/8”	3/8”	1/2”	1/2”
Liquid pipe diameter	Inches	1/4”	1/4”	1/4”	1/4”

Wall mounted WNG N

Product benefits

- R410A «green» fluid.
- High efficiency filtration, 3 nivels of filters : Standard; Electrostatic; Active charcoal.
- Ioniser.
- Functions displayed on LCD display (except for WNG 24 NRC LED model).
- Electronic regulation and programming.
- Automatic vertical treated air sweeping.
- Airconet compatible system (for WNG 30).

Wall monted range

: Platinium DC INV — Delta DC INV

: COMPACT F ——— WNG N ——— Top

WNG N 30/36

WNG N 24

RC3 Remote control

Outdoor unit

Accessories

		WNG N 24 RC	WNG N 30 RC
Mounting bracket	• Part number	-	-
Condensate lift pump	• Part number	SAE3100	SAE3100
All seasons kit	• Part number	7ACFH0480	7ACFH0480

Important : installation of an all seasons kit only allows for operation in cooling mode.

3 Heat Pump models R410A : from 7 080 to 11 140 W

WNG N SERIES		WNG N24 RC	WNG N30 RC	WNG N36 RC
Cooling Capacity	**kW**	**6.77**	**8.50**	**10.15**
Power Input	kW	2.24	2.90	3.22
EER/Energy Label		3.0/B	2.9/C	3.15/B
Out. temperature operating limits	°C		←21 °/46 ° Dry Bulb→	
Heating Capacity	**kW**	**7.08**	**9.08**	**11.14**
Heating Capacity at -10 °C Out.	kW	3.93	4.68	5.76
Power Input	kW	2.4	2.90	3.6
COP/Energy Label		3.0/D	3.0/D	3.1/D
Out. temperature operating limits	°C		←-9 °/24 ° Dry Bulb→	
Indoor units				
Air flow (LS/NS/HS)	m³/h	740/820/910	1030/1100/1360	1110/1240/1360
Acoustic pressure to 1 m (LS/HS)	dB(A)	42/44/47	44/48/52	48/50/52
Dehumidification	l/h	2.3	3.6	4
Weight	kg	15	17	17
Dimensions (WxDxH)	mm	1060x210x295	1200x236x340	1200x236x340
• **Part number (model with AQS)**		**ESP022272**	**ESP022269**	**ESP022328**
Outdoor units				
Air flow	m³/h	3100	3150	4150
Acoustic pressure to 1 m	dB(A)	54	58	59
Compressor type		Rotary	Rotary	Rotary
Weight	kg	74	78	87
Dimensions (WxDxH)	mm	900x340x650	900x340x860	900x340x970
• **Part number 1~230 V**		**ESP061680**	**ESP061587**	**ESP061612**
• **Part number 3N~400 V**		**ESP061655**	**ESP061588**	**ESP061613**
Linking specifications between indoor and outdoor units				
Power supply 1~230 V				
Power supply side		Ind. or Out.	Outdoor	Outdoor
Power cable section	mm²	3x2.5	3x4	3x4
Fuse rating am	A	20	25	25
Electrical connections Ind./Out.	mm	6x1.5	6x1.5	6x1.5
Power supply 3N~400 V				
Power supply side		Ind. or Out.	Outdoor	Outdoor
Power cable section	mm²	5x1.5	5x2.5	5x2.5
Fuse rating am	A	3x10	3x16	3x16
Electrical connections Ind./Out.	mm	6x1.5	6x1.5	6x1.5
Linking pipes				
Max. lenght	m	20	30	50
Max. height	m	15	10	25
Suction pipe diameter	Inches	5/8”	5/8”	3/4”
Liquid pipe diameter	Inches	3/8”	3/8”	3/8”

*** In the case of connections to an indoor unit.**

Wall mounted TOP

Product benefits

- Low or high wall mounted installation.
- Innovative and ultra-compact design (14 cm deep only).
- High performance filtration.
- Electronic regulation and programming.
- Treated air distribution from all 4 sides.
- Ultra-quiet operation – Only 31 dBA at 1 m.
- Condensate drainage lift pump (accessory).
- Airconet compatible system.

Wall monted range

: Platinium DC INV — Delta DC INV

: COMPACT F ——— WNG N ——— Top

TOP 9/12 RC

OUNG 9/12 RC

RC6 Remote control

RCW2 Remote control (accessory)

- Part number 7ACEL1212

2 Heat Pump models R410A : from 2850 to 3690 W

R-410A

TOP SERIES		TOP 9 RC		TOP 12 RC
Cooling Capacity	**kW**	**2.59**		**3.3**
Power Input	kW	0.8		1.09
EER/Energy Label		3.22/A		3.03/B
Out. temperature operating limits	°C		←21 °/46 ° Dry Bulb→	
Heating Capacity	**kW**	**2.85**		**3.69**
Power Input	kW	0.83		1.21
COP/Energy Label		3.43/B		3.05/D
Indoor units				
Air flow (LS/NS/HS)	m³/h	330/360/390		310/360/430
Acoustic pressure to 1 m (LS/HS)	dB(A)	31/33/35		32/35/39
Weight	kg	13.5		14
Dimensions (WxDxH)	mm	570x160x570		570x160x570
• **Part number**		**ESP022340**		**ESP022341**
Outdoor units				
Acoustic pressure to 1 m	dB(A)	53		51
Compressor type		Rotary		Rotary
Net weight	kg	35		36
Dimensions (WxDxH)	mm	745x290x610		745x290x610
• **Part number**		**ESP061641**		**ESP061642**
Linking specifications between indoor and outdoor units				
Power supply 1~230 V				
Power supply side		Indoor		Indoor
Power cable section	mm²	3x1.5		3x1.5
Fuse rating am	A	10		10
Electrical connections	mm²	4x1.5		4x1.5
Electrical connections	mm³	5x1.5		5x1.5
Linking pipes				
Max. lenght	m	15		15
Max. height difference	m	7		7
Suction pipe diameter	Inches	3/8"		3/8"
Liquid pipe diameter	Inches	1/4"		1/4"

*** In the case of connections to an indoor unit.**

Cassettes CN DC INVERTER

NEW

Product benefits

- Four motorized air distribution flaps.
- New air intake.
- Air distribution to an adjacent room.
- High efficiency filtration.
- Designed for integration in suspended ceilings.
- Simplified installation and maintenance.
- 600 x 600 mm format / Built-in depth: 270 mm
- Integrated condensate drainage lift pump.
- Optimal efficiency Class A energy label (depending on models).
- Electronic regulation and programming.
- Compatible with DUO, TRIO and QUATTRO DCI Multisplits.
- Up to 50 m pipe length between indoor and outdoor unit.
- Up to 25 m vertical high between indoor and outdoor unit.

Cassettes range

: CN DCI ——— ECF/ECF XLDCI

: ECF N/ ECF XLN

CN DCI

OU 9/12/18 DCI

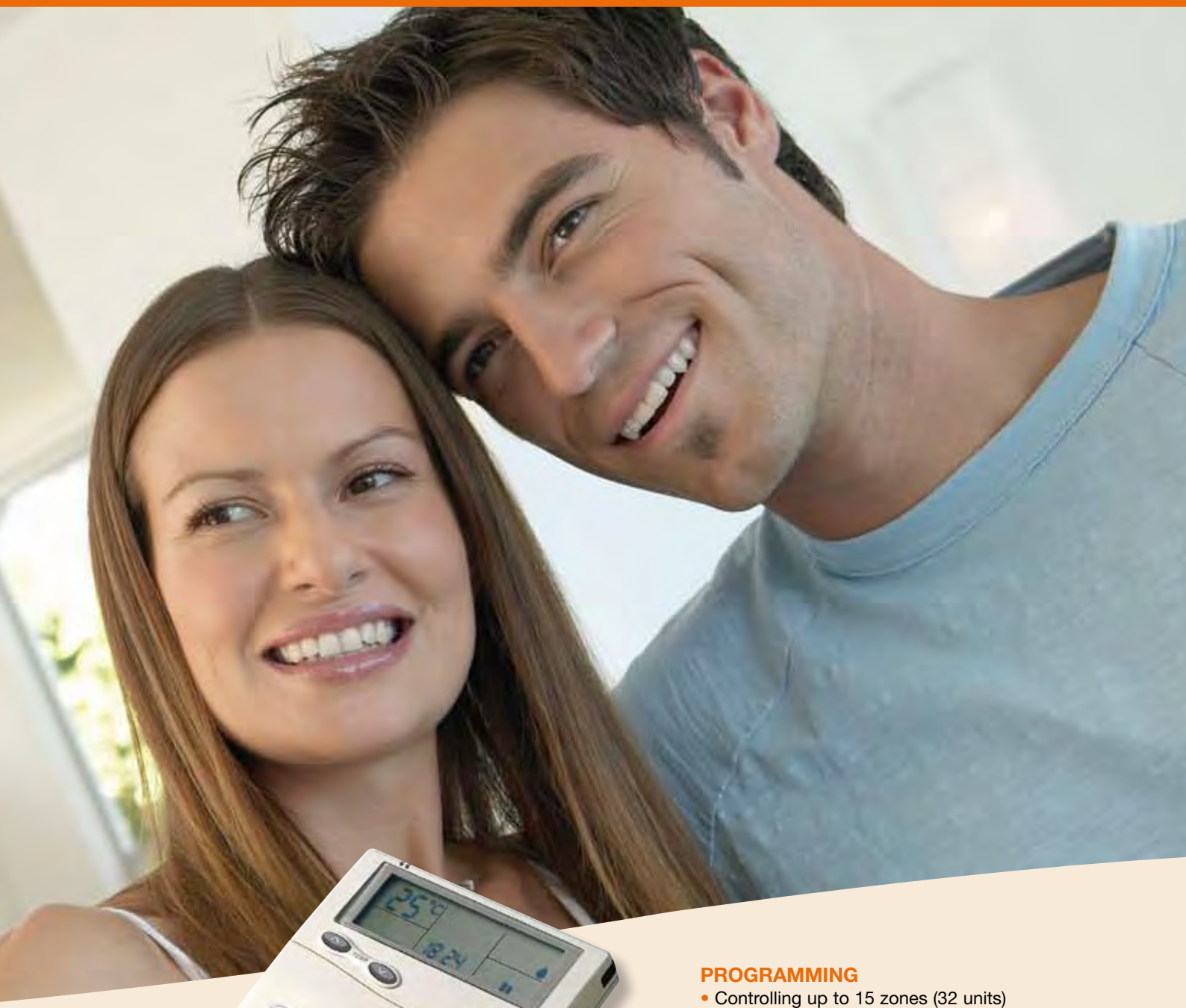
RC3 Remote control

RCW2 Remote control (accessory)

- **Part number 7ACEL1212**

Accessories

		CN 9 DCI	CN 12 DCI	CN 18 DCI	CN 24 DCI
Mounting bracket	• Part number	7ACTL0016	7ACTL0016	7ACTL0016	-
Remote control RCW2	• Part number	7ACEL1212	7ACEL1212	7ACEL1212	7ACEL1212



RCW2 model

Multi-functions remote controls at the forefront of ergonomic design

PROGRAMMING

- Controlling up to 15 zones (32 units) with individual unit time programming and temperature setting functions.
- 7 day programmable thermostat with 2 daily setting ranges.

BASIC FUNCTIONS

- Heating/Cooling electronic regulation.
- Automatic fan ventilation or 3 fixed speeds fan ventilation.
- Night time slow running.
- Dehumidification.

CENTRALISED CONTROL

- Easy functions duplication for quick programming.
- “Master/Slave” function.
- Time delayed start up of air treatment units (multiple unit installations).
- Permanent “I feel” function (single unit installations).

Remote management of your air conditioning network

Airconet is a complete, powerful and user-friendly system providing remote management of air conditioning installations in an overall and customised manner:

- **Centralised control of a group of indoor units (building, floor…).**
- **Individual control in each pre-defined room and zone.**

Irrespective of the type of building, by way of a simple PC connected to the Internet or to the building's local network, Airconet provides total control of a complete air conditioning system.
In fact, from the Airconet communication gateway connected to each of the indoor units and depending on access rights granted, the user can regulate blown air temperatures and fan speeds and even receive e-mail or SMS alerts regarding any system malfunctions…

Installation architecture

Basic configuration: 1 Airconet communication gateway module per site capable of managing up to 247 indoor units, 1 MIU per indoor unit depending on the unit type.

NB. Each distributor needs to have 1 converter (SP000000080) to loan out to installers. This converter is required for initial installation configuration.

Advantages :

- User-friendly, straightforward, efficient and autonomous interface.
- Plug and Play installation, no software installation, modem integrated in the communication Gateway.
- Integrated system supervision, easy to use.
- Choice of languages.
- Perfect compatibility with Windows operating systems : XP, 2000, NT, 98…
- Up to 247 units managed by a single communication Gateway.
- Very low investment.

Benefits :

- Improved occupant comfort (e.g. timing a unit to start operating before the arrival of the client/occupant).
- Lower energy bills by way of energy savings derived from overall installation control, and therefore close control of energy consumption.
- Simplified management and improved maintenance thanks to optimal installation control and real time interventions.
- Extended equipment service life.
- Completely upgradeable system.
- Real time alerts by e-mail or SMS of any installation malfunction.

Principle :

The heart of the system is the Airconet communication gateway. This is a module installed on site and connected, on the one hand to all the air conditioning units to be managed by way of an MIU (Modbus Interface Unit) and, on the other hand, to a LAN/WEB network. In this manner, the user can connect to the communication gateway via a PC with an internet connection. Thanks to the Plug & Play system there is no requirement for the user to install any special software as this is already loaded in the Airconet communication gateway. Via the PC's internet navigator, it is possible to set and alter parameters such as room temperatures and timer programming as well as to be alerted in the event of any possible malfunctions.

Several user levels

Level	User	Possibilities	
1	Company employee	Local normal control of an individual unit	CUSTOMER
2	Reception manager (hotels…)	Centralised normal control of all units	
3	Maintenance manager	Communication gateway information verification	
4	Technician	System definition	SERVICE
5	Supervisor/Developer	Database and parameters	

Communication gateway

Range	Size	Part number
Managed with all indoor units	Managed with all sizes	AIRCONET006

MIU - Communication cards

Range	Model	Size	Part number
DC Inverter	CK DCI	9/12/18/21/24	Please, consult us
	PXD DCI	9/12/18/24/28	Please, consult us
	LSN DCI	9/12/18/24	Please, consult us
	ECF DCI	9/12/18	Please, consult us
R410A	WNG N	30	Please, consult us
	TOP	9/12	Please, consult us
	PXD N	9/12/15/18/24/30	Please, consult us
	ECF N	9/11/15/18	Please, consult us
	ECF XL N	24/30/36/45	Please, consult us
	DNG	18/24/30/37/44	Please, consult us
R407C/R22	CCE 45	all sizes	

NOTE 1 : Each "Airconet XXX" reference includes the communication board (MIU) as well as the connections required for connecting to the unit.
NOTE 2 : In addition to 40 MIU boards connected to the communication gateway, a REPEATER (free of charge supply) must be installed.

EUROPE range

DC INVERTER

R-410A

R-407C

WALL MOUNTED

DELTA DCI	14
PLATINIUM DCI	16
COMPACT F	18
WNG N	20
TOP N	22

CASSETTES

CN DCI	24
ECF / ECF XL DCI	26
ECFN / ECF XL N	28

FLOOR / CEILING

PXD DCI	30
PXD N / NSA	32

DUCTED

LS DCI	34
DNG DCI	36
LS / DNG	38

MOBILE / MONOBLOC

SMILY / N	40
JKF	41

WINDOWS-COLUMN

AWD	42
CCE	43

MULTISPLITS

DUO/TRIO/QUATTRO DCI	44
DUO/TRIO DELTA	46
DUO R410A	48

Wall mounted DELTA DC INVERTER

Product benefits

- Flexibility and comfort of use.
- Extended operating range.
- Optimal efficiency : Class A energy label (depending on models).
- Reduced noise levels.
- High efficiency filtration.
- Electronic regulation and programming.
- Automatic treated air sweeping.
- R410A «green» fluid.
- Optimal temperature regulation.
- Heating mode operation down to outdoor temperatures of -15 °C.

Wall monted range

: Platinium DC INV — Delta DC INV

: Compact F ——— WNG N ——— Top

DELTA 7/9 DCI

DELTA 12/18 DCI

RC7 Remote control

OU 7/9/12 DCI

OU 18 DCI

Accessories

		DELTA 7 DC INV	DELTA 9 DC INV	DELTA 12 DC INV	DELTA 18 DC INV
Mounting bracket	• Part number	7ACTL0016	7ACTL0016	7ACTL0016	7ACTL0016
Condensate lift pump	• Part number	SAE3100	SAE3100	SAE3100	SAE3100

4 Heat Pump models DCI : from 2500 to 5300 W

DELTA DC INVERTER SERIES		DELTA 7 DCI	DELTA 9 DCI	DELTA 12 DCI	DELTA 18 DCI
Cooling Capacity	**kW**	**2.2**	**2.5**	**3.5**	**5**
Power Input	kW	0.66	0.75	1.03	1.56
EER/Energy Label		3.33/A	3.33/A	3.39/A	3.2/B
Outdoor temperature operating limits	°C	←-10 °/46 ° Dry Bulb→			
Heating Capacity	**kW**	**2.5**	**2.8**	**3.6**	**5.3**
Power Input	kW	0.73	0.82	1.05	1.55
COP/Energy Label		3.42/B	3.41/B	3.42/B	3.41/B
Outdoor temperature operating limits	°C	←-15 °/24 ° Dry Bulb→			
Indoor Units					
Air flow (LS/NS/HS)	m³/h	300/350/400	270/350/420	350/450/550	480/620/720
Acoustic pressure to 1 m (LS/NS/HS)	dB(A)	30/33/36	32/35/39	29/33/39	34/41/44
Dehumidification	l/h	1	1	1.5	2
Weight	kg	7	7	8	11
Dimensions (WxDxH)	mm	680x185x250	680x185x250	840x185x250	900x205x295
• **Part number 1~230 V**		**ESP022275**	**ESP022276**	**ESP022277**	**ESP022278**
Outdoor Units					
Air flow	m³/h	1400	1390	1390	2160
Acoustic pressure to 1 m	dB(A)	54	54	55	53
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Rotary DC Inverter	Scroll DC Inverter
Weight	kg	35	36	37	38
Dimensions (WxDxH)	mm	760x245x545	830x245x545	830x245x545	795x290x610
• **Part number 1~230 V**		**ESP061601**	**ESP061602**	**ESP061603**	**ESP061597**
Linking specifications between indoor and outdoor units					
Power supply					
Power supply side		Indoor	Indoor	Indoor	Indoor
Power cable section	mm²	3x1.5	3x1.5	3x1.5	3x1.5
Fuse rating am	A	12	12	16	20
Electrical connections	mm²	4x1.5	4x1.5	4x1.5	5x1.5
Linking pipes					
Max. lenght	m	15	15	15	15
Max. height	m	10	10	10	10
Suction pipe diameter	Inches	3/8"	3/8"	3/8"	1/2"
Liquid pipe diameter	Inches	1/4"	1/4"	1/4"	1/4"

Wall mounted PLATINIUM DC INVERTER

Product benefits

- Perfect comfort, unequalled unobtrusiveness, great accuracy in maintaining the desired temperature and controlling air quality.
- R410A «green» fluid.
- Optimal efficiency : Class A energy label (depending on models).
- Heating mode operation down to outdoor temperatures of -15 °C.
- Optimal temperature regulation.
- Electronic regulation and programming.
- AQS filtration : electrostatic filter + Ioniser.
- Automatic treated air sweeping.
- LCD screen.
- Fluid pre-charged at the factory for up to 20 m pipe lengths (depending on models).
- Compatible with AIRCONET regulation (PLATINIUM 18 DCI).

Wall monted range

: Platinium DC INV — Delta DC INV

: Compact F ——— WNG N ——— Top

PLATINIUM 21 DCI

PLATINIUM 25/28 DCI

RC3 Remote control

OU PLATINIUM 18 DCI

OU PLATINIUM 25/28 DCI

Accessories

		PLATINIUM 21 DC INV	PLATINIUM 25 DC INV	PLATINIUM 28 DC INV
Condensate lift pump	• Part number	SAE3100	SAE3100	SAE3100

3 Heat Pump models DCI : from 6500 to 8500 W

PLATINIUM DC INVERTER SERIES		PLATINIUM 21 DCI	PLATINIUM 25 DCI	PLATINIUM 28 DCI
Cooling Capacity	**kW**	**6 (1.5-6.7)**	**6.8 (1.5-7.5)**	**7.8 (1.5-8.8)**
Power Input	kW	1.99	2.25	2.59
EER/Energy Label		3.01/B	3.0/B	3.0/B
Outdoor temperature operating limits	°C		←-10 °/46 ° Dry Bulb→	
Heating Capacity	**kW**	**6.5 (1.8-7.9)**	**7.0 (1.5-8.8)**	**8.5 (1.5-9.5)**
Heating Capacity at -15 °C	kW	-	-	-
Power Input	kW	1.90	2.19	2.65
COP/Energy Label		3.42/B	3.2/C	3.2/C
Outdoor temperature operating limits	°C		←-15 °/24 ° Dry Bulb→	
Indoor Units				
Air flow (LS/NS/HS)	m³/h	620/760/900	700/850/1000	950/1100/1250
Acoustic pressure to 1 m (LS/HS)	dB(A)	34/45	38/47	44/51
Dehumidification	l/h	2	2.5	3
Weight	kg	15	15	18.5
Dimensions (WxDxH)	mm	1060x210x295	1060x210x295	1200x236x340
• **Part number 1~230 V**		**ESP022280**	**ESP022282**	**ESP022284**
Outdoor Units				
Air flow	m³/h	2860	3600	3600
Acoustic pressure to 1 m	dB(A)	55	56	56
Compressor type		Scroll DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Weight	kg	46	64.5	66
Dimensions (WxDxH)	mm	846x302x690	950x412x835	950x412x835
• **Part number 1~230 V**		**ESP061598**	**ESP061599**	**ESP061600**
Linking specifications between indoor and outdoor units				
Power supply				
Power supply side		Indoor	Outdoor	Outdoor
Power cable section	mm²	3x2.5	3x2.5	3x2.5
Fuse rating am	A	20	20	20
Electrical connections	mm²	4x2.5	4x2.5	4x2.5
Linking pipes				
Max. lenght	m	30	30	30
Max. height	m	10	15	15
Suction pipe diameter	Inches	1/2"	5/8"	5/8"
Liquid pipe diameter	Inches	1/4"	3/8"	3/8"

Wall mounted COMPACT F (R410A)

NEW

Product benefits

- New design with flat panet grill.
- Compact and lightweight for easy installation and maintenance.
- 2 ventilation speed plus automatic speed.
- Cold/hot Automatic regulation.
- Automatic vertical treated air sweeping.
- High efficiency filtration.
- COMPACT 9 & 12 (available with class C on request).

Wall monted range

: Delta DCI ——— Platinium DCI

: COMPACT F ——— WNG N —— TOP N

COMPACT F 7/9/12/18

RC3 Remote control

OU 7/9/12 RC

OU NG 18

Accessories

		COMPACT F7	COMPACT F9	COMPACT F12	COMPACT F18
Mounting bracket	• Part number	7ACTL0016	7ACTL0016	7ACTL0016	7ACTL0018

4 Heat Pump models R410A: from 2 310 to 5 000 W

COMPACT SERIES		COMPACT F 7	COMPACT F 9	COMPACT F 12	COMPACT F 18
Cooling Capacity	**kW**	**2.32**	**2.76**	**3.6**	**5**
Power Input	kW	0.72	0.84	1.12	1.66
EER/Energy Label		3.2/A	3.29/A	3.21/A	3.01/B
Out. temperature operating limits	°C		←10/46 ° Dry Bulb→		
Heating Capacity	**kW**	**2.31**	**3.07**	**3.84**	**5**
Power Input	kW	0.68	0.9	1.12	1.62
COP/Energy Label		3.41/B	3.43/B	3.43/B	3.09/D
Out. temperature operating limits	°C		←-9 °/24 ° Dry Bulb→		
Indoor units					
Sound pressure level to 1 m (LS/HS)	dB(A)	31/37	35/40	33/40	35/44
Sound power level	dB(A)	45/50	48/52	47/53	45/55
Airflow (LS/HS)	m^3/h	320/400	350/450	460/620	450/670
Dehumidification	l/h	0.7	1.2	1.5	2
Dimensions (WxDxH)	mm	680x180x250	680x180x250	840x180x250	900x200x295
Weight	kg	7	7	8	15
• **Part number**		**ESP022408**	**ESP022409**	**ESP022410**	**ESP022411**
Outdoor units					
Sound pressure level to 1 m	dB(A)	53	51	54	54
Sound power level	dB(A)	62	61	65	65
Airflow	m^3/h	1200	1370	1450	2160
Compressor type		Rotary	Rotary	Rotary	Rotary
Weight	kg	27.5	33.5	38	43
Dimensions (WxDxH)	mm	610x240x520	830x245x545	830x245x545	795x290x610
• **Part number**		**ESP061568**	**ESP061569**	**ESP061570**	**ESP061571**
Linking specifications between indoor and outdoor units					
Power supply 1~230 V					
Power supply side		Indoor	Indoor	Indoor	Indoor
Power cable section	mm^2	3x1.5	3x1.5	3x1.5	3x1.5
Fuse rating am	A	10	10	16	16
Electrical connections	mm^2	4x1	4x1	4x1.5	4x1.5
Electrical connections	mm^2	5x1	5x1	5x1.5	5x1.5
Linking pipes					
Max. lenght	m	10	12	15	15
Max. height	m	7	7	7	7
Suction pipe diameter	Inches	3/8”	3/8”	1/2”	1/2”
Liquid pipe diameter	Inches	1/4”	1/4”	1/4”	1/4”

Wall mounted WNG N

Product benefits

- R410A «green» fluid.
- High efficiency filtration, 3 nivels of filters : Standard; Electrostatic; Active charcoal.
- Ioniser.
- Functions displayed on LCD display (except for WNG 24 NRC LED model).
- Electronic regulation and programming.
- Automatic vertical treated air sweeping.
- Airconet compatible system (for WNG 30).

Wall monted range

: Platinium DC INV — Delta DC INV

: COMPACT F ——— WNG N ——— Top

WNG N 30/36

WNG N 24

RC3 Remote control

Outdoor unit

Accessories

		WNG N 24 RC	WNG N 30 RC
Mounting bracket	• Part number	-	-
Condensate lift pump	• Part number	SAE3100	SAE3100
All seasons kit	• Part number	7ACFH0480	7ACFH0480

Important : installation of an all seasons kit only allows for operation in cooling mode.

3 Heat Pump models R410A : from 7 080 to 11 140 W

WNG N SERIES		WNG N24 RC	WNG N30 RC	WNG N36 RC
Cooling Capacity	**kW**	**6.77**	**8.50**	**10.15**
Power Input	kW	2.24	2.90	3.22
EER/Energy Label		3.0/B	2.9/C	3.15/B
Out. temperature operating limits	°C		←21 °/46 ° Dry Bulb→	
Heating Capacity	**kW**	**7.08**	**9.08**	**11.14**
Heating Capacity at -10 °C Out.	kW	3.93	4.68	5.76
Power Input	kW	2.4	2.90	3.6
COP/Energy Label		3.0/D	3.0/D	3.1/D
Out. temperature operating limits	°C		←-9 °/24 ° Dry Bulb→	
Indoor units				
Air flow (LS/NS/HS)	m³/h	740/820/910	1030/1100/1360	1110/1240/1360
Acoustic pressure to 1 m (LS/HS)	dB(A)	42/44/47	44/48/52	48/50/52
Dehumidification	l/h	2.3	3.6	4
Weight	kg	15	17	17
Dimensions (WxDxH)	mm	1060x210x295	1200x236x340	1200x236x340
• **Part number (model with AQS)**		**ESP022272**	**ESP022269**	**ESP022328**
Outdoor units				
Air flow	m³/h	3100	3150	4150
Acoustic pressure to 1 m	dB(A)	54	58	59
Compressor type		Rotary	Rotary	Rotary
Weight	kg	74	78	87
Dimensions (WxDxH)	mm	900x340x650	900x340x860	900x340x970
• **Part number 1~230 V**		**ESP061680**	**ESP061587**	**ESP061612**
• **Part number 3N~400 V**		**ESP061655**	**ESP061588**	**ESP061613**
Linking specifications between indoor and outdoor units				
Power supply 1~230 V				
Power supply side		Ind. or Out.	Outdoor	Outdoor
Power cable section	mm²	3x2.5	3x4	3x4
Fuse rating am	A	20	25	25
Electrical connections Ind./Out.	mm	6x1.5	6x1.5	6x1.5
Power supply 3N~400 V				
Power supply side		Ind. or Out.	Outdoor	Outdoor
Power cable section	mm²	5x1.5	5x2.5	5x2.5
Fuse rating am	A	3x10	3x16	3x16
Electrical connections Ind./Out.	mm	6x1.5	6x1.5	6x1.5
Linking pipes				
Max. lenght	m	20	30	50
Max. height	m	15	10	25
Suction pipe diameter	Inches	5/8”	5/8”	3/4”
Liquid pipe diameter	Inches	3/8”	3/8”	3/8”

*** In the case of connections to an indoor unit.**

Wall mounted TOP

Product benefits

- Low or high wall mounted installation.
- Innovative and ultra-compact design (14 cm deep only).
- High performance filtration.
- Electronic regulation and programming.
- Treated air distribution from all 4 sides.
- Ultra-quiet operation – Only 31 dBA at 1 m.
- Condensate drainage lift pump (accessory).
- Airconet compatible system.

Wall monted range

: Platinium DC INV — Delta DC INV

: COMPACT F ——— WNG N ——— Top

TOP 9/12 RC

OUNG 9/12 RC

RC6 Remote control

RCW2 Remote control (accessory)

- Part number 7ACEL1212

2 Heat Pump models R410A : from 2850 to 3690 W

R-410A

TOP SERIES		TOP 9 RC		TOP 12 RC
Cooling Capacity	**kW**	**2.59**		**3.3**
Power Input	kW	0.8		1.09
EER/Energy Label		3.22/A		3.03/B
Out. temperature operating limits	°C		←21 °/46 ° Dry Bulb→	
Heating Capacity	**kW**	**2.85**		**3.69**
Power Input	kW	0.83		1.21
COP/Energy Label		3.43/B		3.05/D
Indoor units				
Air flow (LS/NS/HS)	m³/h	330/360/390		310/360/430
Acoustic pressure to 1 m (LS/HS)	dB(A)	31/33/35		32/35/39
Weight	kg	13.5		14
Dimensions (WxDxH)	mm	570x160x570		570x160x570
• **Part number**		**ESP022340**		**ESP022341**
Outdoor units				
Acoustic pressure to 1 m	dB(A)	53		51
Compressor type		Rotary		Rotary
Net weight	kg	35		36
Dimensions (WxDxH)	mm	745x290x610		745x290x610
• **Part number**		**ESP061641**		**ESP061642**
Linking specifications between indoor and outdoor units				
Power supply 1~230 V				
Power supply side		Indoor		Indoor
Power cable section	mm²	3x1.5		3x1.5
Fuse rating am	A	10		10
Electrical connections	mm²	4x1.5		4x1.5
Electrical connections	mm³	5x1.5		5x1.5
Linking pipes				
Max. lenght	m	15		15
Max. height difference	m	7		7
Suction pipe diameter	Inches	3/8"		3/8"
Liquid pipe diameter	Inches	1/4"		1/4"

*** In the case of connections to an indoor unit.**

Cassettes CN DC INVERTER

NEW

Product benefits

- Four motorized air distribution flaps.
- New air intake.
- Air distribution to an adjacent room.
- High efficiency filtration.
- Designed for integration in suspended ceilings.
- Simplified installation and maintenance.
- 600 x 600 mm format / Built-in depth: 270 mm
- Integrated condensate drainage lift pump.
- Optimal efficiency Class A energy label (depending on models).
- Electronic regulation and programming.
- Compatible with DUO, TRIO and QUATTRO DCI Multisplits.
- Up to 50 m pipe length between indoor and outdoor unit.
- Up to 25 m vertical high between indoor and outdoor unit.

Cassettes range

: CN DCI ——— ECF/ECF XLDCI

: ECF N/ ECF XLN

CN DCI

OU 9/12/18 DCI

RC3 Remote control

RCW2 Remote control (accessory)

- **Part number 7ACEL1212**

Accessories

		CN 9 DCI	CN 12 DCI	CN 18 DCI	CN 24 DCI
Mounting bracket	• Part number	7ACTL0016	7ACTL0016	7ACTL0016	-
Remote control RCW2	• Part number	7ACEL1212	7ACEL1212	7ACEL1212	7ACEL1212

4 Heat Pump models DCI: from 3 200 to 7 300 W

CN DCI DC INVERTER SERIES		CN 9 DCI	CN 12 DCI	CN 18 DCI	CN 30 DCI
Cooling Capacity	**kW**	**2,5 (0,9-3,4)**	**3,5 (0,9-4,0)**	**5 (1,55-6,4)**	**6,8 (1,5-7,5)**
Power Input	kW	0,63	1,01	1,55	2,25
EER/Energy Label		4/A	3,45/A	3,22/A	3 / B
Outdoor temperature operating limits	°C		←-10°/46° Dry bulb →		
Heating Capacity	**kW**	**3,2 (0,9-4,2)**	**4,2 (0,9-4,8)**	**5,8 (1-7)**	**7,3 (1,5-8,4)**
Power Input	kW	0.8	1.16	1.6	2.27
COP/Energy Label		4/A	3.62/A	3.62/A	3.22/C
Outdoor temperature operating limits	°C		←-15 °/24 ° Dry Bulb →		
Indoor Units					
Sound pressure level to 1 m	dB(A)	29/35	29/35	36/42	42/48
Sound power level	dB(A)	46	46	53	59
Airflow	m³/h	460	460	780	1010
Dehumidification	l/h	0,76	1,45	1,74	2,62
Dimensions (WxDxH)	mm	575x575x219	575x575x219	575x575x270	575x575x270
Frame for grid ceiling (WxDxH)	mm	625x625x40	625x625x40	625x625x40	625x625x40
Frame for hard ceiling (WxDxH)	mm	725x725x40	725x725x40	725x725x40	725x725x40
Weight	kg	16	16	16	19
• **Part number**		**ESP022401**	**ESP022402**	**ESP022403**	**ESP022405**
• **Part number Frame for grid ceiling**		**7ACVF0478**	**7ACVF0479**	**7ACVF0480**	**7ACVF0481**
• **Part number Frame for hard ceiling**		**7ACVF0479**	**7ACVF0479**	**7ACVF0479**	**7ACVF0479**
Outdoor Units					
Sound pressure level to 1 m	dB(A)	51	52	52	55
Sound power level	dB(A)	60	62	62	65
Airflow	m³/h	1780	1780	2160	3600
Compressor type	kg	Rotary DC Inverter	Rotary DC Inverter	Rotary DC Inverter	Twin Rotary DC Inverter
Dimensions (WxDxH)	mm	795x290x610	795x290x610	795x290x610	950x412x835
Weight	kg	38	38	39	65
• **Part number 1~230 V**		**ESP061483**	**ESP061484**	**ESP061604**	**ESP061676**
Linking specifications between indoor and outdoor units					
Power supply 1-230V					
Power supply side		Indoor	Indoor	Indoor	Indoor
Power cable section	mm²	3x1.5	3x1.5	3x2.5	3x2.5
Fuse rating am	A	16	16	20	20
Electrical connections	mm²	4x1.5	4x1.5	4x2.5	4x2.5
Linking pipes					
Max. lenght	m	25	25	30	50
Max. height	m	10	10	10	25
Suction pipe diameter	Inches	3/8”	3/8”	1/2”	5/8”
Liquid pipe diameter	Inches	1/4”	1/4”	1/4”	3/8”

Cassettes ECF & ECF XL DC INVERTER

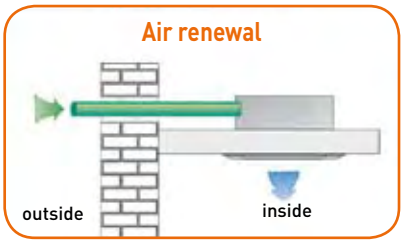
Product benefits

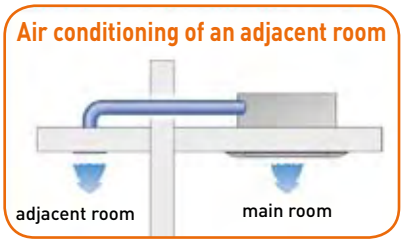
- Perfect comfort, unequalled unobtrusiveness, great accuracy in maintaining the desired temperature and controlling air quality.
- Four powered air distribution flaps.
- Designed for integration in suspended ceilings.
- 600x600 mm format (ECF DCI) / 900x900 mm format (ECFXL DCI).
- Built-in depth : 287 mm (ECF DCI) / 230 mm (ECFXL DCI).
- R410A «green» fluid.
- Optimal efficiency : Class A energy label (depending on models).
- Heating mode operation down to outdoor temperatures of -15 °C.
- Optimal temperature regulation.
- Electronic regulation and programming.
- Fluid pre-charged at the factory for up to 20 m pipe lengths (depending on models).
- Possibility of air conditioning two separate rooms with a single unit.
- New air intake.
- High efficiency filtration.
- Integrated condensate drainage lift pump.
- Solid ceiling mounting frame (accessory).
- Compatible with AIRCONET regulation.

Cassettes range

: ECF/ECF XL DC INV

: ECF N/ECF XLN





ECF 9/12/18 DCI

ECFXL 24/30 DCI

RC3 Remote control

OU 9/12/18 DCI

OU 24/30 DCI

RCW2 Remote control (accessory)
- **Part number 7ACEL1212**

Accessories

		ECF 9 DCI	ECF 12 DCI	ECF 18 DCI
Ceiling adapter frame	• Part number	7ACVF0091	7ACVF0091	7ACVF0091
Mounting bracket	• Part number	7ACTL0016	7ACTL0016	7ACTL0016

5 Heat Pump models DCI : from 3400 to 9000 W

ECF/ECFXL DC INVERTER SERIES		ECF 9 DCI	ECF 12 DCI	ECF 18 DCI	ECFXL 24 DCI	ECFXL 30 DCI
Cooling Capacity	**kW**	**2.5 (1.5-3.8)**	**3.5 (1.5-4.4)**	**5 (1.4-6.4)**	**7.2 (1.5-8)**	**8 (1.5-8.8)**
Power Input	kW	0.59	0.95	1.55	2.39	2.65
EER/Energy Label		4.2/A	3.7/A	3.2/A	3.0/B	3.0/B
Outdoor temperature operating limits	°C	←-10 °/46 ° Dry Bulb→				
Heating Capacity	**kW**	**3.4 (1.5-5)**	**4.3 (1.5-5.5)**	**6.3 (1.35-7.5)**	**8 (1.5-8.8)**	**9 (1.5-10)**
Heating Capacity at -15 °C	kW	2	2.6	2.3	-	-
Power Input	kW	0.91	1.33	1.74	2.22	2.48
COP/Energy Label		3.7/A	3.2/C	3.6/A	3.6/A	3.6/A
Outdoor temperature operating limits	°C	←-15 °/24 ° Dry Bulb→				
Indoor Units						
Air flow (LS/NS/HS)	m³/h	450/530/600	450/560/620	510/630/730	1050/1200/1300	1070/1170/1270
Acoustic pressure to 1 m (LS/HS)	dB(A)	32/37	32/37	36/48	47/52	42/46
Compressor type	l/h	1	1.5	2	2.5	3
Net weight	kg	23	24	28	36	48
Built in casing (WxDxH)	mm	571x571x287	571x571x287	571x571x287	840x840x230	840x840x300
Frame dimensions (WxDxH)	mm	625x625x40	625x625x40	625x625x40	950x950x46	950x950x46
• **Frame part number**		**Included**	**Included**	**Included**	**EACVF0002**	**EACVF0002**
• **Part number 1~230 V**		**ESP042116**	**ESP042117**	**ESP042118**	**ESP012155**	**ESP012160**
Outdoor Units						
Air flow	m³/h	1780	1780	2160	3600	3600
Acoustic pressure to 1 m	dB(A)	50	52	53	55	56
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Scroll DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Weight	kg	38	38	39	64.5	66
Dimensions (WxDxH)	mm	795x290x610	795x290x610	795x290x610	950x412x835	950x412x835
• **Part number 1~230 V**		**ESP061483**	**ESP061484**	**ESP061604**	**ESP061676**	**ESP061600**
Linking specifications between indoor and outdoor units						
Power supply						
Power supply side		Indoor	Indoor	Indoor	Indoor	Indoor
Power cable section	mm²	3x1.5	3x1.5	3x2.5	3x2.5	3x2.5
Fuse rating am	A	16	16	20	20	20
Electrical connections	mm²	4x1.5	4x1.5	4x2.5	4x2.5	4x2.5
Linking pipes						
Max. lenght	m	20	20	30	30	30
Max. height	m	10	10	10	15	15
Suction pipe diameter	Inches	3/8"	3/8"	1/2"	5/8"	5/8"
Liquid pipe diameter	Inches	1/4"	1/4"	1/4"	3/8"	3/8"

R-410A

Cassettes ECF N & ECFXL N

Product benefits

- Designed for suspended ceiling integration.
- 900x900 mm format (ECFXL N).
- 600x600 mm format (ECF N).
- Built-in depth : 287 mm (ECF N).
- Built-in depth : 230 mm for ECFXL N (24 and 30 models).
- Electronic regulation and programming.
- 4 powered air distribution flaps (ECFXL N).
- New air intake (ECF N).
- Possibility of air conditioning an adjacent room (ECF N).
- Quick access to all components after simply removing the facade.
- Phase controller.
- Integrated condensate drainage lift pump.
- Wall mounted RCW2 remote control (accessory).
- Solid ceiling frame (ECF N accessory).
- Compatible with Airconet system regulation.

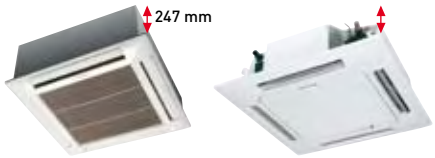
AIRCONET

Cassettes range

: ECF/ECF XL DC INV

: ECF N/ECF XLN

LOW BUILT-IN HEIGHT



ECF N ECFXL N

Indoor Units ECF N 9/11/15/18

Indoor Units ECFXLN 24/30/36/45

RC3 Remote control

OU 9/11/15

OU 36/45

RCW2 Remote control (accessory)
- Part number 7ACEL1212

Accessories

		ECF N 9	ECF N 11	ECF N 15	ECF N 18	ECFXL N 24	ECFXL N 30	ECFXL N 36	ECFXL N 45
Ceiling adapter frame	• Part number	7ACVF0091	7ACVF0091	7ACVF0091	7ACVF0091	-	-	-	-
Mounting bracket	• Part number	7ACTL0016	7ACTL0016	7ACTL0016	7ACTL0018	7ACTL0018	7ACTL0018	7ACTL0013	7ACTL0013

8 Heat Pump models R410A : from 3020 to 14000 W

ECF N - ECFXL N SERIES		ECF N 9	ECF N 11	ECF N 15	ECF N 18	ECFXL N 24	ECFXL N 30	ECFXL N 36	ECFXL N 45
Cooling Capacity	**kW**	**2.82**	**3.68**	**4.35**	**5.50**	**6.80**	**8.30**	**9.70**	**12.35**
Power Input	kW	0.86	1.14	1.35	1.82	2.25	2.90	3.48	4.4
EER/Energy Label		3.3/A	3.2/A	3.2/A	3.0/B	3.0/B	2.9/C	2.8/C	2.8/C
Out. temperature operating limits	°C					←21 °/46 ° Dry Bulb→			
Heating Capacity	**kW**	**3.02**	**3.81**	**4.46**	**5.75**	**7.08**	**8.94**	**10.30**	**14.00**
Heating Capacity at -10 °C Out.	kW	1.53	1.92	2.25	2.90	3.93	4.97	-	-
Power Input	kW	0.83	1.11	1.23	1.67	2.33	2.88	3.60	5.50
COP/Energy Label		3.6/A	3.4/B	3.6/A	3.4/B	3.0/D	3.1/D	2.8/D	2.54/F
Out. temperature operating limits	°C					←-9 °/24 ° Dry Bulb→			
Indoor units									
Air flow (LS/NS/HS)	m³/h	430/470/580	375/500/580	430/550/630	590/660/760	690/800/910	985/1120/1200	1025/1125/1220	1200/1300/1525
Acoustic pressure to 1 m (LS/NS/HS)	dB(A)	35/36/41	34/36/41	36/41/44	44/46/49	38/41/44	47/50/52	42/44/46	46/49/55
Dehumidification	l/h	0.8	1.3	1.6	2.4	2.5	3.2	4.2	-
Weight	kg	23	24	26	26	36	36	48	48
Built in casing (WxDxH)	mm	571x571x287	571x571x287	571x571x287	571x571x287	840x840x230	840x840x230	840x840x300	840x840x300
Frame dimensions (WxDxH)	mm	625x625x40	625x625x40	625x625x40	625x625x40	950x950x46	950x950x46	950x950x46	950x950x46
• **Frame part number ECFXL**		**Included**	**Included**	**Included**	**Included**	**EACVF0002**	**EACVF0002**	**EACVF0002**	**EACVF0002**
• **Part number 1~230 V**		**ESP042119**	**ESP042120**	**ESP042121**	**ESP042122**	**ESP042123**	**ESP042124**	**ESP042134**	**ESP042135**
Outdoor units									
Air flow	m³/h	1780	1850	2160	2480	3100	3150	4150	4350
Acoustic pressure to 1 m (LS/HS)	dB(A)	49	53	54	58	58	59	61	-
Compressor type		Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Scroll	Scroll
Weight	kg	35	36	42	56	78	78	96	96
Dimensions (WxDxH)	mm	795x290x610	795x290x610	795x290x610	864x302x690	900x340x680	900x340x860	900x340x860	900x340x860
• **Part number 1~230 V**		**ESP061641**	**ESP061642**	**ESP061643**	**ESP061637**	**ESP061579**	**ESP061587**	**ESP061612**	**-**
• **Part number 3N~400 V**		**-**	**-**	**-**	**ESP061572**	**ESP061581**	**ESP061588**	**ESP061613**	**ESP061614**
Linking specifications between indoor and outdoor units									
Power supply 1~230 V									
Power supply side		Indoor	Indoor	Indoor	Ind. or Out.	Ind. or Out.	Outdoor	-	-
Power cable section (without heating)	mm²	3x1.5	3x1.5	3x1.5	3x2.5	3x2.5	3x4	-	-
Fuse rating am	A	16	16	16	20	20	25	-	-
Electrical connections	mm	5x1	5x1.5	5x1.5	5x2.5*	5x2.5*	6x1.5	-	-
Power supply 3N~400 V									
Power supply side		-	-	-	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Fuse rating am	A	-	-	-	3x8	3x10	3x16	3x20	3x20
Electrical connections	mm	-	-	-	6x1.5	6x2.5	6x1.5	6x1.5	6x1.5
Linking pipes									
Max. lenght	m	15	15	15	25	30	30	50	50
Max. height	m	7	7	7	15	15	15	25	25
Suction pipe diameter	Inches	3/8”	3/8”	1/2”	1/2”	5/8”	5/8”	3/4”	3/4”
Liquid pipe diameter	Inches	1/4”	1/4”	1/4”	1/4”	3/8”	3/8”	3/8”	3/8”

*** In the case of connections to an indoor unit.**

Floor/Ceiling PXD DC INVERTER

Product benefits

- Perfect comfort, unequalled unobtrusiveness, great accuracy in maintaining the desired temperature and controlling air quality.
- R410A «green» fluid.
- Optimal efficiency : Class A energy label (depending on models).
- Heating mode operation down to outdoor temperatures of -15 °C.
- Optimal temperature regulation.
- Electronic regulation and programming.
- Dual automatic treat air sweeping.
- Fluid pre-charged at the factory for up to 20 m pipe lengths (depending on models).
- Low wall or ceiling mounting.
- Possibility of air conditioning two separate rooms with a single unit.
- Compatible with AIRCONET regulation (PXD 24/30 DCI).

Horizontal or vertical unit mounting

Possibility of air conditioning 2 separate rooms with a single unit

Floor/Ceiling range

: PXD DC INV

: PXD N ——— NSA

PXD 9/12 DCI

OU PXD 9/12/18 DCI

RC4 Remote control

RCW2 Remote control (accessory)
- Part number 7ACEL1212

OU PXD 24/28 DCI

Accessories

		PXD 9 DCI	PXD 12 DCI	PXD 18 DCI	PXD 24 DCI	PXD 30 DCI
Condensate lift pump	• Part number	7ACFH0221	7ACFH0221	7ACFH0221	7ACFH0221	7ACFH0221
Air distribution unit	• Part number	7ACVF0122	7ACVF0122	7ACVF0123	7ACVF0123	7ACVF0123
Rear panel tube cover	• Part number	7ACTL0073	7ACTL0073	7ACTL0074	7ACTL0074	7ACTL0074
Mounting bracket	• Part number	7ACTL0016	7ACTL0016	7ACTL0016	-	-

5 Heat Pump models DCI : from 3200 to 8800 W

PXD DC INVERTER SERIES		PXD 9 DCI	PXD 12 DCI	PXD 18 DCI	PXD 24 DCI	PXD 28 DCI
Cooling Capacity	**kW**	**2.5 (1.4-3.6)**	**3.5 (1.5-4.4)**	**5 (1.5-6.0)**	**6.8 (1.5-7.5)**	**7.5 (2.0-9.5)**
Power Input	kW	0.62	0.98	1.65	2.24	2.49
EER/Energy Label		4.0/A	3.6/A	3.0/B	3.0/B	3.0/B
Outdoor temperature operating limits	°C			←-10 °/46 ° Dry Bulb→		
Heating Capacity	**kW**	**3.2 (1.5-4.5)**	**4.2 (1.5-5.0)**	**5.8 (1.5-7.2)**	**7.6 (1.5-8.8)**	**8.8 (1.5-10.5)**
Heating Capacity at -15 °C	kW	1.9	2.50	2.30	-	-
Power Input	kW	0.93	1.31	1.69	2.1	2.46
COP/Energy Label		3.4/B	3.2/C	3.4/B	3.6/A	3.41/B
Outdoor temperature operating limits	°C			←-15 °/24 ° Dry Bulb→		
Indoor Units						
Air flow (LS/NS/HS)	m³/h	300/350/400	300/400/450	600/750/870	760/930/1020	760/930/1020
Acoustic pressure to 1 m (LS/NS/HS)	dB(A)	35/37/39	38/41/45	45/48/51	49/53/56	49/53/56
Dehumidification	l/h	1	1.5	2	2.5	2.9
Weight	kg	21	22	30	32	32
Dimensions (WxDxH)	mm	820x190x630	820x190x630	1200x190x630	1200x190x630	1200x190x630
• **Part number 1~230 V**		**ESP012133**	**ESP012134**	**ESP012135**	**ESP012164**	**ESP012165**
Outdoor Units						
Air flow	m³/h	1780	1780	2160	3600	3600
Acoustic pressure to 1 m	dB(A)	50	52	53	56	56
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Scroll DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Weight	kg	38	38	39	64,5	66
Dimensions (WxDxH)	mm	795x290x610	795x290x610	795x290x610	950x412x835	950x412x835
• **Part number 1~230 V**		**ESP061483**	**ESP061484**	**ESP061604**	**ESP061676**	**ESP061600**
Linking specifications between indoor and outdoor units						
Power supply						
Power supply side		Indoor	Indoor	Indoor	Indoor	Indoor
Power cable section	mm²	3x1.5	3x1.5	3x2.5	3x2.5	3x2.5
Fuse rating am	A	16	16	20	20	20
Electrical connections	mm²	4x1.5	4x1.5	4x2.5	4x2.5	4x2.5
Linking pipes						
Max. lenght	m	20	20	30	30	30
Max. height	m	10	10	10	15	15
Suction pipe diameter	Inches	3/8"	3/8"	1/2"	5/8"	5/8"
Liquid pipe diameter	Inches	1/4"	1/4"	1/4"	3/8"	3/8"

Floor/Ceiling PXD N & NSA

Product benefits PXD N

- R410A «green» fluid.
- Low wall or ceiling mounting indoor units.
- Automatic vertical and horizontal treated air sweeping.
- Electronic regulation and programming.
- Compact and lightweight for easy installation and maintenance.
- Possibility of air conditioning two separate rooms with a single indoor unit.
- High efficiency filtration.
- Compatible with Airconet system regulation.

Product benefits NSA

- Multiposition architecture for low wall and ceiling mounting.
- Indoor units direct blowing.
- Linking pipes until 50 m.
- Compatible with Airconet system regulation.

Floor/Ceiling range

: PXD DC INV

: PXD N ——— NSA

PXD N 18/24/30

NSA 45

OU PXD N 9/12/14

RC4 Remote control

RCW2 Remote control (accessory)
- Part number 7ACEL1212

OU 36/45

Accessories

		PXD N 9	PXD N 12	PXD N 15	PXD N 18	PXD N 24	PXD N 30
Single phase electric heating	Capacity (W)	1250	1250	2000	2000	3000	3000
	• Part number	7ACEL1153	7ACEL1153	7ACEL1154	7ACEL1154	7ACEL1155	7ACEL1155
Single phase electric heating	Capacity (W)	-	1000	1000	-	1500	1500
	• Part number	-	7ACEL1172	7ACEL1172	-	7ACEL1173	7ACEL1173
Three phases electric heating	Capacity (W)	-	-	-	-	3000	3000
	• Part number	-	-	-	-	7ACEL1156	7ACEL1156
Condensate lift pump	• Part number	7ACFH0221	7ACFH0221	7ACFH0221	7ACFH0221	7ACFH0221	7ACFH0221
Air distribution unit	• Part number	7ACVF0122	7ACVF0122	7ACVF0122	7ACVF0123	7ACVF0123	7ACVF0123
Rear panel tube cover (ceiling mounting)	• Part number	7ACTL0073	7ACTL0073	7ACTL0073	7ACTL0074	7ACTL0074	7ACTL0074
Mounting bracket	• Part number	7ACTL0016	7ACTL0016	7ACTL0016	7ACTL0016	7ACTL0018	-
All seasons kit	• Part number	7ACFH0480	7ACFH0480	7ACFH0480	7ACFH0480	7ACFH0480	7ACFH0480

Important : installation of an all season kit only allows for operation in cooling mode.

7 Heat Pump models R410A: from 2790 to 13900 W

PXD N SERIES		PXD N 9 RC	PXD N 12 RC	PXD N 15 RC	PXD N 18 RC	PXD N 24 RC	PXD N 30 RC	NSA 45RC
Cooling Capacity	**kW**	**2.66**	**3.52**	**4.1**	**5.5**	**6.83**	**8.52**	**13**
Power Input	kW	0.82	1.15	1.35	1.82	2.27	2.99	4.56
EER/Energy Label		3.2/A	3.1/B	3.0/B	3.0/B	3.0/B	2.9/C	2.85/C
Out. temperature operating limits	°C	←21 °/46 ° Dry Bulb→						
Heating Capacity	**kW**	**2.79**	**3.7**	**4.5**	**5.75**	**7.03**	**8.65**	**13.9**
Heating Capacity at -10 °C Out.	kW	1.41	1.87	2.27	2.9	3.91	4.81	-
Power Input	kW	0.86	1.15	1.38	1.77	2.13	2.79	4.86
COP/Energy Label		3.2/C	3.2/C	3.3/C	3.3/C	3.3/C	3.1/D	2.86/D
Out. temperature operating limits	°C	←-9 °/24 ° Dry Bulb→						
Indoor units								
Air flow (LS/NS/HS)	m³/h	290/330/370	350/390/420	350/390/510	700/820/930	780/900/1000	700/895/1020	1300/1480/1600
Acoustic pressure to 1 m (LS/HS)	dB(A)	35/37/39	38/41/45	38/43/48	45/48/51	48/51/53	49/53/56	53/56/58
Dehumidification	l/h	1.1	1.5	1.9	1.9	2.7	3.4	-
Weight	kg	21	22	22	30	33	32	56
Dimensions (WxDxH)	mm	820x190x630	820x190x630	820x190x630	1200x190x630	1200x190x630	1200x190x630	1585x255x590
• **Part number**		**ESP012137**	**ESP012138**	**ESP012139**	**ESP012140**	**ESP012141**	**ESP012136**	**ESP022394**
Outdoor units								
Air flow	m³/h	1780	1850	2160	2480	3100	3150	4350
Acoustic pressure to 1 m (LS/HS)	dB(A)	49	53	54	58	58	59	64
Compressor type		Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Scroll
Weight	kg	35	36	42	56	74	78	96
Dimensions (WxDxH)	mm	795x290x610	795x290x610	795x290x610	846x302x690	900x340x680	900x340x860	900x340x970
• **Part number 1~230 V**		**ESP061641**	**ESP061642**	**ESP061643**	**ESP061637**	**ESP061680**	**ESP061587**	**-**
• **Part number 3N~400 V**		**-**	**-**	**-**	**ESP061572**	**ESP061581**	**ESP061588**	**ESP061614**
Linking specifications between indoor and outdoor units								
Power supply 1~230 V								
Power supply side		Indoor	Indoor	Indoor	Indoor	Ind. or Out.	Outdoor	-
Power cable section (without heating)	mm²	3x1.5	3x1.5	3x1.5	3x2.5	3x2.5	3x4	-
Fuse rating am	A	10	16	16	16	20	25	-
Electrical connections	mm	5x1.5	5x1.5	5x1.5	5x1.5	5x2.5*	6x1.5	-
Power supply 3N~400 V								
Power supply side		-	-	-	Outdoor	Outdoor	Outdoor	Outdoor
Power cable section (without heating)	mm²	-	-	-	5x1.5	5x1.5	5x2.5	5x2.5
Fuse rating am	A	-	-	-	3x10	3x10	3x16	3x20
Electrical connections	mm	-	-	-	6x1.5	6x1.5	6x1.5	6x2.5
Linking pipes								
Max. lenght	m	15	15	15	25	30	30	50
Max. height	m	7	7	7	15	15	15	25
Suction pipe diameter	Inches	3/8"	3/8"	1/2"	1/2"	5/8"	5/8"	3/4"
Liquid pipe diameter	Inches	1/4"	1/4"	1/4"	1/4"	3/8"	3/8"	3/8"

* In the case of connections to an indoor unit.

Ducted LSN DC INVERTER

NEW

Product benefits

Obvious solution to all installation constraints.

- Extreme low silhouette only: 200 mm.
- Integrated condensate drainage lift pump.
- Horizontal/Vertical installation builds in.
- Air distribution / air intake plenums available in accessory.
- Optimal efficiency Class A energy label (depending on models).
- Electronic regulation and programming.
- Heating mode operation down to outdoor temperatures of -15° C.
- Compatible with DUO, TRIO and QUATTRO DCI Multisplits.
- Up to 50 m pipe length between indoor and outdoor unit.
- Up to 30 m vertical high between indoor and outdoor unit.

*Wall mounted RCW2 remote control (Optional)

Ducted range

: LSN DCI — DNG DCI

: LS R407C — DLS R410A

LSN 24 DCI

OU 9/12/18 DCI

OU 24 DCI

RC3 Remote control

Accessories

		LSN 9 DC INV	LSN 12 DC INV	LSN 18 DC INV	LSN 24 DC INV
Mounting bracket	• Part number	7ACTL0016	7ACTL0016	7ACTL0016	-
Remote control RCW2	• Part number	7ACEL1212	7ACEL1212	7ACEL1212	7ACEL1212

4 DC Inverter models: from 3 400 W to 7 600 W

LSN DCI INVERTER SERIES		LSN 9 DC INV	LSN 12 DC INV	LSN 18 DC INV	LSN 24 DC INV
Cooling Capacity	**kW**	**2,5 (1,4-3,6)**	**3,5 (1,4-4,3)**	**5 (1,5-6,0)**	**7,0 (1,5-7,5)**
Power Input	kW	0,61	0,94	1,55	2,05
EER/Energy Label		4,1/A	3,7/A	3,3/A	3,4/A
Outdoor temperature operating limits	°C		←-10°/46° Dry bulb →		
Heating Capacity	**kW**	**3,4 (1,5-5,0)**	**4,3 (1,6-5,5)**	**6,1 (1,5-7,6)**	**7,6 (1,5-8,8)**
Power Input	kW	0,86	1,16	1,74	1,96
COP/Energy Label		3,95/A	3,85/A	3,5/B	3,87/A
Outdoor temperature operating limits	°C		←-15°/24° Dry bulb →		
Indoor Units					
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	23/26/29	24/27/31	29/32/35	32/35/39
Sound power level (LS/MS/HS)	dB(A)	44/47/50	45/49/53	48/51/54	56/59/63
Airflow (LS/MS/HS)	m^3/h	420/490/560	510/590/650	540/650/750	900/1050/1200
Dehumidification	l/h	0,5	1	1,5	2
Dimensions (WxDxH)	mm	750x200x630	750x200x630	750x200x630	1050x200x630
Weight	kg	20	20	20	25
• **Part number**		**ESP022396**	**ESP022397**	**ESP022398**	**ESP022400**
Outdoor Units					
Sound pressure level to 1 m	dB(A)	52	52	53	56
Sound power level	dB(A)	62	62	63	66
Airflow	m^3/h	1780	1780	2160	3600
Compressor type	kg	Rotary DC Inverter	Rotary DC Inverter	Scroll DC Inverter	Twin Rotary DC Inverter
Dimensions (WxDxH)	mm	795x290x610	795x290x610	795x290x610	950x412x835
Weight	kg	38	38	39	64.5
• **Part number**		**ESP061483**	**ESP061484**	**ESP061604**	**ESP061676**
Linking specifications between indoor and outdoor units					
Power supply 1-230V					
Power supply side		Indoor	Indoor	Indoor	Outdoor
Power cable section	mm^2	3x1,5	3x1,5	3x2,5	3x2,5
Fuse rating am	A	16	16	20	20
Electrical connections	mm^2	4x1,5	4x1,5	4x2,5	4x2,5
Linking pipes					
Suction pipe diameter	inches	3/8”	3/8”	1/2”	5/8”
Liquid pipe diameter	inches	1/4”	1/4”	1/4”	3/8”
Max lenght	m	20	20	30	50
Max height	m	15	15	15	30

Ducted DNG DC INVERTER

NEW

Product benefits

- Designed for integration in suspended ceilings.
- Low noise levels.
- Low built-in height: DNG = 260 mm.
- R410A "green" fluid.
- High efficiency filtration.
- Optimal efficiency: Class A energy label.
- Heating mode operation down to outdoor temperatures of -15° C.
- Optimal temperature regulation.
- Electronic regulation and programming.
- Fluid pre-charged at the factory for up to 20 m pipe lengths. (depending on models).
- Compatible with AIRCONET regulation.

*Wall mounted RCW2 remote control (Optional)

: LSN DCI ——— DNG DCI

: LS R407C —— DLS R410A

DNG 30/36/43 DCI

OU 30/36/43 DCI

RC3 Remote control

Accessories

		DNG 30 DC INV	DNG 36 DC INV	DNG 43 DC INV
Air supply plenum	• Part number	7ACVF0317	7ACVF0317	7ACVF0317
Remote control RCW2	• Part number	7ACEL1212	7ACEL1212	7ACEL1212

3 DC Inverter models: from 8 800 W to 14 000 W

DNG DC INVERTER SERIES		DNG 30 DC INV	DNG 36 DC INV	DNG 43 DC INV
Cooling Capacity	**kW**	**7,5**	**10**	**12,5**
Power Input	kW	2,4	3,12	4,1
EER/Energy Label		3,0/B	3,21/A	3,0/B
Outdoor temperature operating limits	°C		←-10°/46° Dry bulb →	
Heating Capacity	**kW**	**8,8**	**11,2**	**14**
Power Input	kW	2,44	3,6	4,3
COP/Energy Label		3,6/A	3,1/D	3,25/C
Outdoor temperature operating limits	°C		←-15/24° Dry Bulb →	
Indoor Units				
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	40/44/48	47/49/52	47/49/52
Sound power level (LS/MS/HS)	dB(A)	58/61/64	62/67/71	62/67/71
Airflow (LS/MS/HS)	m³/h	935/1150/1320	1420/1860/2180	1580/1920/2180
Dehumidification	l/h	2,5	3,3	4,6
Dimensions (WxDxH)	mm	790x256x749	854x300x816	854x300x816
Weight	kg	31	33	33
• **Part number**		**ESP022366**	**ESP032001**	**ESP032002**
Outdoor Units				
Sound pressure level to 1 m	dB(A)	56	56	61
Sound power level	dB(A)	66	69	73
Airflow	m³/h	3600	5200	5700
Compressor type		Twin Rotary DCI	Scroll DCI	Scroll DCI
Dimensions (WxDxH)	mm	950x412x835	1255x340x900	1255x340x900
Weight	kg	66	110	110
• **Part number**		**ESP061600**	**ESP061681**	**ESP061682**
Linking specifications between indoor and outdoor units				
Power supply 1-230V				
Power supply side		Outdoor	Outdoor	Outdoor
Power cable section	mm²	3x2,5	3x4,0	3x6,0
Fuse rating am	A	20	25	32
Electrical connections	mm²	4x2.5	3x1.5	3x1.5
Linking pipes				
Suction pipe diameter	inches	5/8''	5/8''	3/4''
Liquid pipe diameter	inches	3/8''	3/8''	3/8''
Max lenght	m	50	70	70
Max height	m	25	30	30

R-410A R-407C

Ducted LS & DNG

Product benefits

- Low silhouette ducted units.
- Suspended ceiling installation.
- Low built-in height : (LS= 245 mm; DNG= 260mm).
- High available air pressure for connection to a duct network.
- New centrifugal fan type.
- Low noise levels.
- Electronic regulation and programming.
- Air filter supplied, easy access.
- Electric heating (accessory).
- Airconet compatible system.

AIRCONET

Ducted range

: LS/DNG DCI

: LS/DNG

Indoor unit LS 35 RC

Outdoor unit

Indoor unit DNG 18/24/30

RC4 Remote control

RCW2 Remote control (accessory)

- Part number 7ACEL1212

Accessories

		LS 35	DNG 18 RC	DNG 24 RC	DNG 30 RC	DNG 37 RC	DNG 44 RC
Electric heating	Capacity (W)	1600	2000	2000	3000	4000	4000
	• Part number	7ACEL1305	7ACEL1358	7ACEL1358	7ACEL1359	7ACEL1360	7ACEL1360
Air supply plenum	• Part number	-	7ACVF0317	7ACVF0317	7ACVF0317	7ACVF0318	7ACVF0318
Mounting bracket	• Part number	7ACTL0016	7ACTL0018	-	-	-	-
All seasons kit	• Part number	-	7ACFH0480	7ACFH0480	7ACFH0480	-	-
N°1 Cassette air intake plenum kit	• Part number	7ACVF0075	-	-	-	-	-
N°2 Cassette air intake plenum kit	• Part number	7ACVF0073	-	-	-	-	-

6 Heat Pump models R410A : from 3400 to 13100 W

LS & DNG SERIES		LS 35 RC	DNG 18 RC	DNG 24 RC	DNG 30 RC	DNG 37 RC	DNG 44 RC
Cooling Capacity	**kW**	**3.4**	**5.6**	**6.9**	**8.5**	**10.6**	**12.4**
Power Input	kW	1.23	1.8	2.4	3	3.8	4.3
EER/Energy Label		2.8/C	3.1/B	2.9/C	2.8/C	2.8/C	2.8/C
Out. temperature operating limits	°C	←21 °/46 ° Dry Bulb→					
Heating Capacity	**kW**	**3.4**	**5.3**	**7**	**9**	**11.2**	**13.1**
Heating Capacity at -10 °C Outdoor	kW	2.4	2.94	3.89	5	6.22	7.67
Power Input	kW	1.2	1.7	2.3	2.8	3.7	4.3
COP/Energy Label		2.8/D	3.1/D	3.0/D	3.2/C	3.1/D	3.0/D
Outdoor temperature operating limits	°C	←-9 °/24 ° Dry Bulb→					
Indoor units							
Air flow (LS/NS/HS)	m³/h	360/450/580	730/875/1150	840/1100/1210	935/1150/1420	1210/1520/1840	1250/1490/2040
Static pressure (LS/HS)	dB(A)	30	25/60	25/60	37/80	37/100	50/100
Acoustic pressure to 1 m (LS/HS)	dB(A)	33/35/42	40/42/45	43/45/48	44/46/49	45/48/51	47/49/52
Dehumidification	l/h	1.3	2	2.3	3	3.7	4.7
Weight	kg	30	29	29	31	33	33
Dimensions (WxDxH)	mm	860x680x245	790x749x256	790x749x256	790x749x256	852x816x297	852x816x297
• **Part number 1~230 V**		**ESP022219**	**ESP022285**	**ESP022286**	**ESP022287**	**ESP022288**	**ESP022289**
Outdoor units							
Acoustic pressure to 1 m	dB(A)	53	58	58	58	63	64
Compressor type		Rotary	Rotary	Rotary	Rotary	Rotary	Scroll
Net weight	kg	39	56	78	78	87	87
Dimensions (WxDxH)	mm	795x290x610	846x302x690	900x340x680	900x340x860	900x340x970	900x340x970
• **Part number 1~230 V**		**ESP061502**	**ESP061637**	**ESP061680**	**ESP061587**	**-**	**-**
• **Part number 3N~400 V**		**-**	**ESP061572**	**ESP061581**	**ESP061588**	**ESP061613**	**ESP061614**
Linking specifications between indoor and outdoor units							
Power supply 1~230 V - 50 Hz							
Power supply side		Indoor	Indoor	Ind. or Out.	Outdoor	Outdoor	-
Power cable section (without heating)	mm²	3x1.5	3x2.5	3x2.5	3x4	3x4	-
Fuse rating am	A	10	20	20	25	25	-
Electrical connections	mm	6x1.5	6x2.5	6x1.5*	6x1.5	6x1.5	-
Power supply 3N~400 V - 50 Hz							
Power supply side		-	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Power cable section (without heating)	mm²	-	5x1.5	5x1.5	5x2.5	5x2.5	5x2.5
Fuse rating am	A	-	3x10	3x10	3x16	3x16	3x16
Electrical connections	mm	-	6x1.5	6x1.5	6x1.5	6x1.5	6x1.5
Linking pipes							
Max. lenght	m	15	25	50	50	50	50
Max. height	m	7	15	25	25	25	25
Suction pipe diameter	Inches	1/2”	1/2”	5/8”	5/8”	3/4”	3/4”
Liquid pipe diameter	Inches	1/4”	1/4”	3/8”	3/8”	3/8”	3/8”

* In the case of connections to an indoor unit.

Mobiles Smily N

Product benefits

- Class A energy label (depending on models).
- Direct control (CD) and infrared remote control (IR).
- Resolutely modern design.
- Compact and lightweight for easy repositioning.

SMILY N 14IR

1 Heat Pump model R410A: 4590 W

SMILY N SERIES		SMILY N 14IR
Cooling Capacity	**kW**	**4.17**
Power Input	kW	1.54
EER/Energy Label		2.7/A
Dehumidification	l/h	1.80
Outdoor temperature operating limits	°C	
Heating Capacity	**kW**	**4.59**
Power Input	kW	1.39
COP/Energy Label		3.3/A
Indoor units		**Split system**
Air flow (LS/NS/HS)	m^3/h	356/401/433
Acoustic pressure to 1 m (LS/NS/HS)	dB(A)	48/50/51
Compressor type		-
Weight	kg	38
Dimensions (WxDxH)	mm	470x360x800
Outdoor units		
Compressor type		Rotary
Weight	kg	17
Dimensions (WxDxH)	mm	440x320x540
• **Part number 1~230 V**		**EMB021044**
Linking specifications between indoor and outdoor units		
Linking pipes		
Max. lenght	m	3
Max. height	m	1.6

Monobloc air console JKF

Product benefits

- New monobloc console concept without an outdoor unit.
- Ideal solution for premises where it is impossible to install an outdoor unit.
- Easy installation and maintenance.
- Ready to operate system.
- Floor mounted or low wall mounted.
- Compact design.
- Reinforced acoustic insulation.
- R410A high efficiency fluid.
- Factory-fitted 1 500 W electric heating.
- LED direct control panel.
- Electrostatic filter.
- Condensate drainage pipe supplied.
- Rear outlet grille kit supplied.
- Airconet compatible system.

JKF 9

Control panel

1 Cooling Only model : 2520 W

R-410A

JKF SERIES		JKF 9
Cooling Capacity	**kW**	**2.52**
Power Input	kW	0.97
EER/Energy Label		2.6/C
Outdoor temperature operating limits	°C	21 °/43 ° Dry Bulb
Indoor unit		
Air flow (LS/NS/HS)	m³/h	315/360/400
Acoustic pressure to 1 m (LS/NS/HS)	dB(A)	42/44/47
Dehumidification	l/h	1
Weight	kg	42
Dimensions (WxDxH)	mm	1 110X240X382
• **Part number 1~230 V**		**EWT012048**

Windows AWD

Product benefits

- Easy installation.
- Sober, unobtrusive styling.
- For flush fitting into a wall or a window.
- Very compact solution.
- Re-usable filters.
- Sliding drawer chassis.

AWD 15/25

AWD 50/61

5 Cooling Only models R407C : from 2140 to 6400 W
1 Heat Pump models R22 : 3200 W

R-407C

AWD SERIES		AWD 15	AWD 25	AWD 32	AWD 50	AWD 61
Cooling Capacity	**kW**	**2.14**	**2.54**	**3.28**	**5.0**	**6.4**
Power Input	kW	0.82	1.06	1.46	2.25	2.65
EER/Energy Label		2.6/C	2.4/D	2.2/E	2.2/E	2.4/D
Out. temperature operating limits	°C			□21 °/46 ° Dry Bulb□		
Indoor units						
Air flow (NS)	m³/h	310	340	500	800	920
Acoustic pressure to 1 m (LS/HS)	dB(A)	41/44	42/46	54/59	54/59	57/61
Compressor type		Rotary	Rotary	Rotary	Rotary	Rotary
Weight	kg	37	37	47	63	70
Dimensions (WxDxH)	mm	450x590x350	450x590x350	560x610x375	670x710x455	670x710x455
• **Part number 1~230 V**		**EWT012043**	**EWT012044**	**EWT012040**	**EWT012041**	**EWT012042**
Linking specifications between units						
Power supply 1~230 V						
Power cable section	mm²	3x1.5	3x1.5	3x1.5	3x1.5	3x1.5
Fuse rating am	A	6	6	8	10	16

R-22

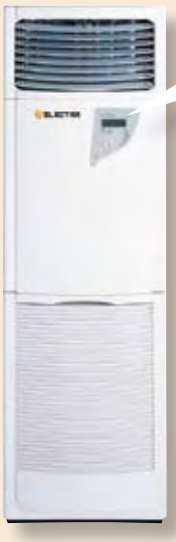
AWD SERIES		AWD 32 RC
Cooling Capacity	**kW**	**3.2**
Power Input	kW	1.33
EER/Energy Label		2.5/D
Heating Capacity	**kW**	**3.2**
Power Input	kW	1.1
COP/Energy Label		2.9/D
Indoor units		
Air volume (MS)	m³/h	500
Acoustic pressure to 1 m (LS/MS/HS)	dB(A)	53/55
Compressor type		Rotary
Weight	kg	47
Dimensions (WxDxH)	mm	560x610x375
• **Part number 1~230 V**		**7001736**
Linking specifications between units		
Power supply 1~230 V		
Power cable section	mm²	3x1.5
Fuse rating am	A	8

Column CCE

NEW

Product benefits

- LCD screen.
- High efficiency filtration.
- Clogged filter indicator.
- Scroll compressor.
- Ioniser.
- Automatic treated air sweeping.
- New air intake option.
- Electronic regulation and programming (daily and weekly).
- Linking pipe lenghts up to 50 m.
- Airconet connection (options).



Multifunction control panel

- Automatic Cooling/Heating regulation.
- 3 fan (ventilation) speeds.
- Automatic ventilation.
- Night time low running (SLEEP) function.
- Dehumidification mode.
- Programming (TIMER) function.
- LCD display.

CCE 45 RC

1 Heat Pump model R410A : 13 200 W

R-410A

CCE SERIES		CCE 45 RC
Cooling Capacity	**kW**	**12.3**
Power Input	kW	4.4
EER/Energy Label		2.8/C
Outdoor temperature operating limits	°C	←21 °/46 ° Dry Bulb→
Heating Capacity	**kW**	**13,2**
Power Input	kW	4.63
COP/Energy Label		2.8/D
Outdoor temperature operating limits	°C	←-9 °/24 ° Dry Bulb→
Indoor units		
Air flow (HS)	m³/h	2000
Acoustic pressure to 1 m (min/max)	dB(A)	52/56
Weight	kg	70
Dimensions (WxDxH)	mm	600x370x1900
• **Part number**		**ESP022415**
Outdoor units		
Compressor type		Scroll
Acoustic pressure to 1 m	dB(A)	64
Weight	kg	95
Dimensions (WxDxH)	mm	900x340x970
• **Part number**		**ESP061615**
Electrical data		
Power supply 3N~400 V		
Power supply side		Outdoor
Supply cable	mm²	5x2.5
Fuse calibration	A	3x10
Electrical connections	mm²	6x2.5
Tubing		
Max. lenght	m	50
Max. height	m	25
Suction pipe diameter	Inches	3/4"
Liquid pipe diameter	Inches	3/8"

OU 45 RC

Multisplits DUO-TRIO QUATTRO DC INVERTER

Product benefits

- Outdoor units compatible with DC Inverter indoor units.
- R410A «green» fluid.
- DC Inverter Twin Rotary compressor (depending on models).
- Compact outdoor units.
- Class A energy label.
- Heating mode operation down to outdoor temperatures of -15 °C.
- Set temperature point reached rapidly.
- Silent running.
- Up to 70m pipe lengths.

DUO DCI

TRIO DCI

Compatibilities

CN DCI indoor units

		CN 9 DCI	CN 12 DCI	CN 18 DCI
Cooling Capacity	kW	2,5 (0,9-3,4)	3,5 (0,9-4,0)	5 (1,55-6,4)
Heating Capacity	kW	3,2 (0,9-4,2)	4,2 (0,9-4,8)	5,8 (1-7)
Air flow	m³/h	460	460	780
Sound pressure level to 1 m	dB(A)	29/35	29/35	36/42
Weight	kg	16	16	16
Dimensions (WxDxH)	mm	575x575x219	575x575x219	575x575x270
• Part number		ESP022401	ESP022402	ESP022403

ECF DCI indoor units

		ECF 9 DCI	ECF 12 DCI	ECF 18 DCI
Cooling Capacity	kW	2,5	3,5	5
Heating Capacity	kW	3,4	4,3	6,3
Air flow	m³/h	450/530/600	450/560/620	510/630/730
Sound pressure level to 1 m	dB(A)	32/37	32/37	36/48
Weight	kg	23	24	28
Dimensions (WxDxH)	mm	571x571x287	571x571x287	571x571x287
• Part number		ESP042116	ESP042117	ESP042118

PXD DCI indoor units

		PXD 9 DCI	PXD 12 DCI	PXD 18 DCI
Cooling Capacity	kW	2,5	3,5	5
Heating Capacity	kW	3,2	4,2	5,8
Air flow	m³/h	300/350/400	300/400/450	600/750/870
Sound pressure level to 1 m	dB(A)	35/37/39	38/41/45	45/48/51
Weight	kg	21	22	30
Dimensions (WxDxH)	mm	820x190x630	820x190x630	1200x192x630
• Part number		ESP012133	ESP012134	ESP012135

LSN DCI indoor units

		LSN 9 DCI	LSN 12 DCI	LSN 18 DCI
Cooling Capacity	kW	2,5	3,5	5
Heating Capacity	kW	3,4	4,3	6,1
Air flow	m³/h	420/490/560	45/49/53	540/650/750
Sound pressure level to 1 m	dB(A)	44/47/50	20	48/51/54
Weight	kg	20	20	20
Dimensions (WxDxH)	mm	820x245x630	860x245x630	860x245x630
• Part number		ESP022396	ESP022397	ESP022398

3 Heat Pump models DCI: from 6 200 W to 9 500 W

OUTDOOR UNITS		DUO 50 DCI	TRIO 72 DCI	QUATTRO 80 DCI
Cooling Capacity	**kW**	**5 (1,2-6,48)**	**7,2 (1,3-9)**	**8 (1,4-9,2)**
Power Input	kW	1,47	2,24	2,49
EER/Energy Label		3,4 / A	3,2 / A	3,2 / A
Outdoor temperature operating limits	°C		←-10°/ 46° Dry Bulb →	
Heating Capacity	**kW**	**6,2 (0,95-7,75)**	**9 (0,95-11)**	**9,5 (0,95-11)**
Capacity at -15°C	kW	3,7	5,4	5,7
Input power	kW	1,67	2,37	2,38
COP/Energy Label		3,71 / A	3,8 / A	4 / A
Outdoor temperature operating limits	°C		←-15/24° Dry Bulb →	
Sound pressure level to 1 m	dB(A)	53	54	54
Sound power level	dB(A)	63	64	64
Air flow	m^3/h	2160	3200	3200
Compressor type		Scroll DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Dimensions (WxDxH)	mm	795x290x610	950x340x835	950x340x835
Weight	kg	43	69	70
• **Part number**		**ESP091126**	**ESP061605**	**ESP061606**
Linking specifications between indoor and outdoor units				
Power supply 1-230V				
Power supply side		Outdoor	Outdoor	Outdoor
Power cable section	mm^2	3x2,5	3x2,5	3x2,5
Fuse rating am	A	16	20	20
Electrical connections	mm^2	2x(4x1,5)	3x(4x1,5)	4x(4x1,5)
Suction pipe diameter	inches	2x3/8"	2x3/8" + 1x1/2"	3x3/8" + 1x1/2"
Liquid pipe diameter	inches	2x1/4"	3x1/4"	4x1/4"
Linking pipes				
Max lenght	m	30	50	70
Max height per circuit	m	25	25	25
Max height between indoor and oudoor units	m	10	15	15
Max height between indoor units	m	5	15	15
Accessory		**DUO 50 DC INV**		
Mounting bracket		7ACTL0016		

Multisplits DUO R410A

Product benefits

- Compact outdoor units.
- Units equipped with 2 compressors.
- Independent operation of each indoor unit.
- Outdoor units compatibles with WNG and ALPHA indoor units.
- R410A «green» fluid.
- Rotary compressor.
- Hydrophilic condenser coating.
- Heating mode operation down to outdoor temperatures of -10° C.
- Silent running.

Multislits range

: DUO/TRIO DELTA

: DUO R410A

Outdoor unit DUO 9/9 9/12 12/12

Outdoor unit DUO 18/18 24/24

Compatibilities

COMPACT F

WALL MOUNTED		COMPACT F9	COMPACT F12	COMPACT F18
Cooling Capacity	kW	2.76	3.6	5.0
Heating Capacity	kW	3.0	3.8	5.0
Air flow (LS/NS/HS)	m³/h	350/450	460/620	450/670
Acoustic pressure to 1 m	dB(A)	35/40	33/40	35/44
Weight	kg	7	8	15
Dimensions (WxDxH)	mm	680x180x250	840x180x250	900x200x295
• Part number		ESP022409	ESP022410	ESP022411

WNG 9/12/14N

WALL MOUNTED		WNG 24N RC
Cooling Capacity	kW	6.7
Heating Capacity	kW	7.0
Air flow (LS/NS/HS)	m³/h	740/820/910
Acoustic pressure to 1 m	dB(A)	42/44/47
Weight	kg	15
Dimensions (WxDxH)	mm	1060x210x295
• Part number		ESP022272

WALL MOUNTED		TOP 9	TOP 12
Cooling Capacity	kW	2.6	3.3
Heating Capacity	kW	2.8	3.7
Air flow (LS/NS/HS)	m³/h	330/360/390	310/360/430
Acoustic pressure to 1 m	dB(A)	31/33/35	32/35/39
Weight	kg	13.5	14
Dimensions (WxDxH)	mm	570x160x570	570x160x570
• Part number		ESP022340	ESP022341

5 Heat Pump models R410A: from 5370 to 14000 W

DUO R410 SERIES		DUO 9/9 RC	DUO 9/12 RC	DUO 12/12 RC	DUO 18/18 RC	DUO 24/24 RC
Cooling Capacity	**kW**	**5.72 (2x2.86)**	**5.93 (2.86+3,07)**	**7 (3.5x2)**	**10.7 (5.35x2)**	**13 (6.5x2)**
Power Input	kW	1.9	2.07	2.5	3.32	4.6
Outdoor temperature operating limits	°C			←21 °/46 ° Dry Bulb→		
Heating Capacity	**kW**	**5.37 (2.6x2)**	**6.13 (2.6+3.53)**	**7.03 (3.51x2)**	**10.8 (5.4x2)**	**14 (7x2)**
Power Input	kW	1.79	1.97	2.51	3.32	4.81
Outdoor temperature operating limits	°C			←-10 °/24 ° Dry Bulb→		
Outdoor units						
Air flow	m^3/h	1100/1520	1100/1520	1100/1520	4500	4950
Acoustic pressure to 1 m	dB(A)	59	59	59	60	62
Compressor type		Rotary	Rotary	Rotary	Rotary	Rotary
Net weight	kg	72	74	74	110	110
Dimensions (WxDxH)	mm	900x340x680	900x340x680	900x340x680	950x340x1270	950x340x1270
• **Part number 1~230 V**		**ESP061635**	**ESP061636**	**ESP091146**	**ESP091147**	**ESP091148**
Linking specifications between indoor and outdoor units						
Power supply 1~230 V						
Power supply side		Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Power cable section (without heating)	mm^2	3x2.5	3x2.5	3x2.5	3x2.5	5x2.5
Fuse rating am	A	16	16	16	16	16
Electrical connections	mm	6x1.5	6x1.5	6x1.5	6x1.5	6x1.5
Linking pipes						
Max. lenght	m	15	15	15	25	25
Max. height	m	7	7	7	15	15
Suction pipe diameter	Inches	2x3/8"	2x3/8"	2x3/8"	2x1/2"	2x5/8"
Liquid pipe diameter	Inches	2x1/4"	2x1/4"	2x1/4"	2x1/4"	2x3/8"

Multisplits DUO/TRIO DELTA DC INTERVER

Product benefits

- Multisplits 3 in 1, configuration 9-9, 9-12, 12-12.
- Outdoor units compatible with DELTA DC Inverter indoor units.
- R410A «green» fluid.
- DC Inverter Scroll compressor.
- Compact outdoor units.
- Class A energy label.
- Heating mode operation down to outdoor temperatures of -15 °C.
- Set temperature point reached rapidly.
- Silent running.

Multisplits range

: DUO/TRIO DELTA

: DUO R410A

OU DUO DELTA DCI

OU TRIO DELTA DCI

Compatibilities

DELTA DCI

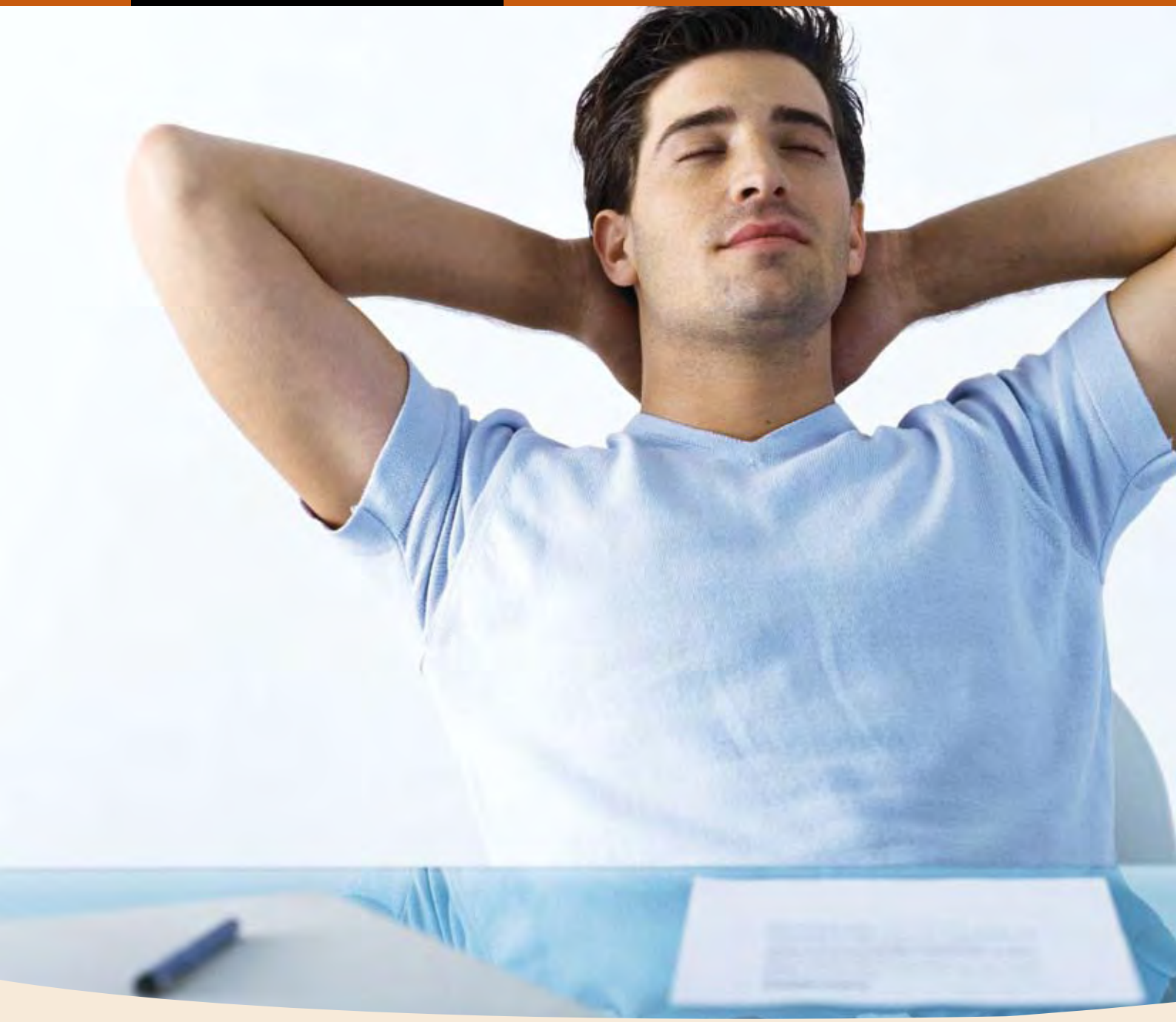
WALL MOUNTED		DELTA 7 DCI	DELTA 9 DCI	DELTA 12 DCI
Cooling Capacity	kW	2.2	2.5	3.5
Heating Capacity	kW	2.5	2.8	3.6
Air flow (LS/NS/HS)	m³/h	300/350/400	270/350/420	350/450/550
Acoustic pressure to 1 m	dB(A)	30/33/36	32/35/39	29/33/39
Weight	kg	7	7	8
Dimensions (WxDxH)	mm	680x180x250	680x200x250	840x200x250
• Part number		ESP022275	ESP022276	ESP022277

2 Heat Pump model DCI : from 4500 W to 6600 W

DUO DELTA DC INVERTER SERIES		DUO DELTA DCI	TRIO DELTA DCI
Cooling Capacity	**kW**	**3.9 (1.2-5.5)**	**5.2 (1.0-6.5)**
Power Input	kW	1.14	1.55
EER/Energy Label		3.2/A	3.35/A
Outdoor temperature operating limits	°C	-10 °/46 ° Dry Bulb	
Heating Capacity	**kW**	**4.5 (1.2-6.2)**	**6.6 (1.0-7,3)**
Power Input	kW	1.24	1.8
COP/Energy Label		3.62/A	3,67/A
Outdoor temperature operating limits	°C	-15 °/24 ° Dry Bulb	
Outdoor units			
Air flow	m^3/h	2160	2860
Acoustic pressure to 1 m	dB(A)	53	56
Compressor type		Rotary DC Inverter	Scroll DC Inverter
Net Weight	kg	38	48
Dimensions (WxDxH)	mm	795x290x610	846x302x690
Linking specifications between indoor and outdoor units			
Power supply 1~230 V			
Power supply side		Outdoor	Outdoor
Power cable section	mm^2	3x2.5	3x2.5
Fuse rating am	A	16	20
Electrical connections indoor/outdoor	mm	2x(4x1.5)	3x(4x1.5)
Linking pipes			
Max. lenght	m	30	35
Max. lenght between per circuit	m	25	25
Max. height between indoor and outdoor units	m	10	15
Max. height between indoor units	m	5	5
Liquid pipe diameter	Inches	2x1/4"	3x1/4"
Suction pipe diameter	Inches	2x3/8"	3x1/2"
• **Part number 1~230 V**		**ESP091149**	**ESP091150**

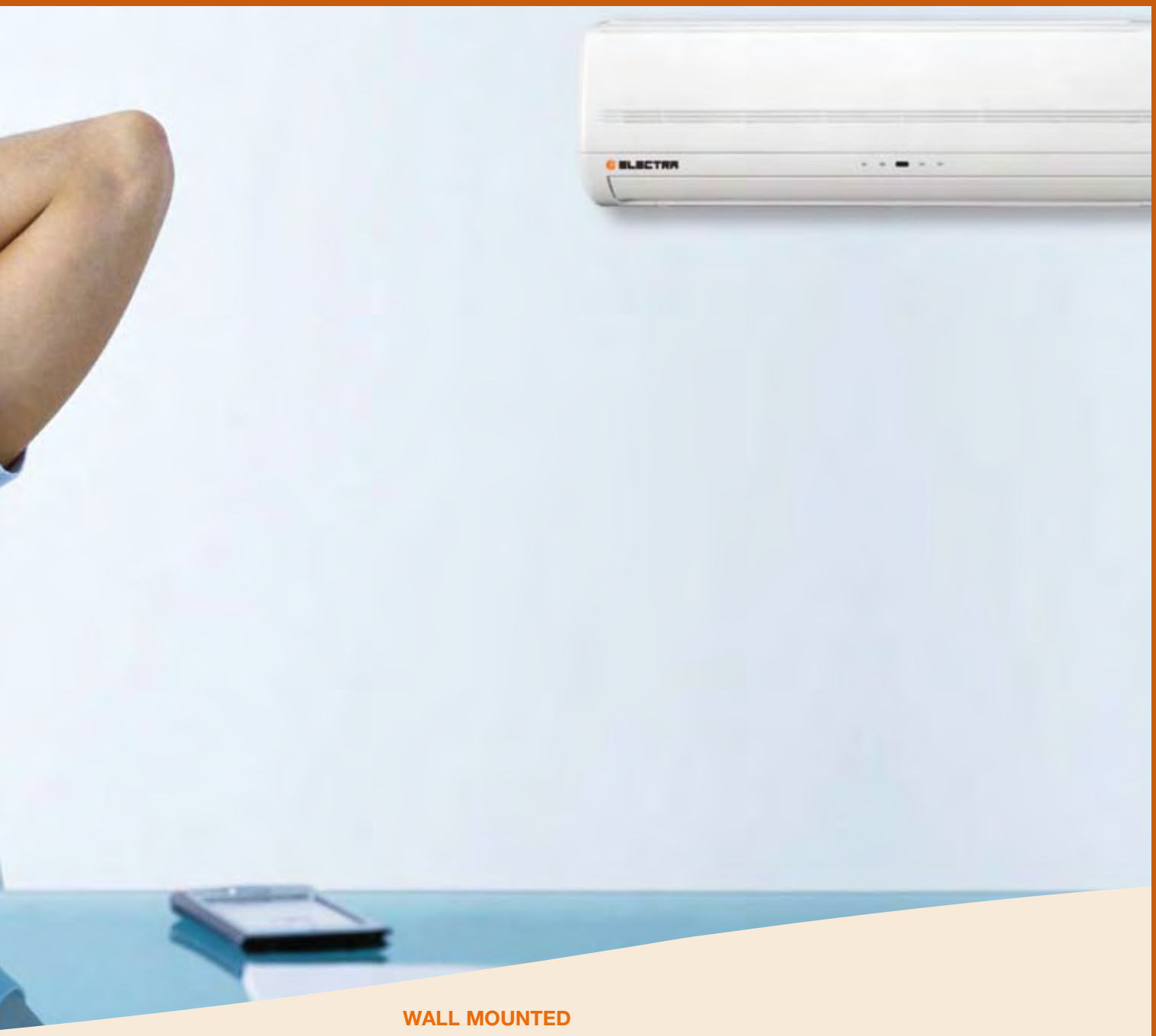
Accessory

		DUO DELTA DC INV	TRIO DELTA DC INV
Mounting bracket	• Part number	7ACTL0016	7ACTL0018



WORLD range

R-22



WALL MOUNTED

COMPACT F 52
WMZ/WNG 54

FLOOR / CEILING

PXD 56

CASSETTES

ECF/ECF XL 58

DUCTED

LS 60
EMDB 62

MULTISPLITS

DUO 63

Wall mounted COMPACT F

NEW

Product benefits

- New design with flat panet grill
- Compact and lightweight for easy installation and maintenance
- 2 ventilation speed plus automatic speed
- Cold/hot Automatic regulation
- Automatic vertical treated air sweeping
- High efficiency filtration

Wall mounted range*

: COMPACT F ——— WMZ/WNG

COMPACT F 7/9/12/18

OU COMPACT 7/9 RC

RC5 Remote control

Accessories

		COMPACT F7	COMPACT F9	COMPACT F12	COMPACT F18
Mounting bracket	• Part number	7ACTL0016	7ACTL0016	7ACTL0016	7ACTL0018

4 Heat Pump models R22: from 2150 to 5500 W

COMPACT F SERIES		COMPACT F 7 RC	COMPACT F 9 RC	COMPACT F 12 RC	COMPACT 18 RC
Cooling Capacity	**kW**	**2,12**	**2,6**	**3,2**	**5,1**
Power Input	kW	0,73	0,97	1,15	1,93
EER/Energy Label		2,9/C	2,68/D	2,78/D	2,64/D
Outdoor temperature operating limits	°C		←10 °/46 ° Dry Bulb→		
Heating Capacity	**kW**	**2,15**	**2,8**	**3,5**	**5,55**
Power Input	kW	0,69	0,89	1,06	1,9
COP/Energy Label		3,12/D	3,15/D	3,3/D	2,92/D
Out. temperature operating limits	°C		←9 °/24 ° Dry Bulb→		
Indoor units					
Sound pressure level to 1 m (LS/HS)	dB(A)	31/37	35/40	33/40	35/44
Sound power level	dB(A)	45/50	48/52	47/53	-
Airflow (LS/HS)	m³/h	320/400	350/450	460/620	450/670
Dehumidification	l/h	0,7	1,0	1,05	2,2
Dimensions (WxDxH)	mm	680x180x250	680x180x250	840x180x250	900x200x295
Weight	kg	7	7	8	12
• **Part number**		**ESP022408**	**ESP022409**	**ESP022410**	**ESP022411**
Outdoor units					
Sound pressure level to 1 m	dB(A)	52	52	54	49
Sound power level	dB(A)	62	62	65	-
Airflow	m³/h	1200	1265	1200	-
Compressor type		Rotary	Rotary	Rotary	Rotary
Dimensions (WxDxH)	mm	610x240x520	610x240x520	610x240x520	795x290x610
Weight	kg	23	27	29	42
• **Part number**		**7002350**	**ESP061674**	**ESP061675**	**ESP061561**
Linking specifications between indoor and outdoor units					
Power supply 1~230 V					
Power supply side		Indoor	Indoor	Indoor	Indoor
Power cable section	mm²	3x1,5	3x1,5	3x1,5	3x1,5
Fuse rating am	A	10	10	16	16
Electrical connections Indoor/Outdoor	mm²	4x1	4x1	4x1,5	4x1,5
Electrical connections	mm²	5x1	5x1	5x1,5	5x1,5
Linking pipes					
Max. lenght	m	10	12	15	15
Max. height	m	7	7	7	7
Suction pipe diameter	Inches	3/8"	3/8"	1/2"	1/2"
Liquid pipe diameter	Inches	1/4"	1/4"	1/4"	1/4"

Wall mounted WMZ/WNG

WMZ Product benefits

- Automatic vertical treated air sweeping.
- High filtration.
- Compact and lightweight for easy installation and maintenance.
- Two fan speed.
- Slow down at night.
- Airconet compatible system.

Indoor unit WMZ

RCW2 Remote control (accessory)
- **Part number 7ACEL1212**

RC5 Remote control

Wall mounted range*

: COMPACT ——— WMZ/WNG

*Others models available in Europe range

WNG Product benefits

- Automatic vertical treated air sweeping.
- LCD screen.
- ESF model : ioniser and pre-filter.

WNG 30 RC

OU WNG 30

2 Heat Pump models R22 : from 7 200 to 9 500 W

WMZ / WNG SERIES		WMZ 24 RC	WNG 30 RC
Cooling Capacity	**kW**	**6.54**	**8.5**
Power Input	kW	2.33	3.1
EER/Energy Label		2.8/D	2.74/D
Heating Capacity	**kW**	**7.2**	**9.5**
Power Input	kW	2.66	3.25
COP/Energy Label		2.70/E	2.02/D
Indoor units			
Air flow (LS/HS)	m^3/h	690/990	830/1250
Dehumidification	l/h	2.6	-
Acoustic pressure to 1 m (LS/HS)	dB(A)	44/50	41/54
Weight	kg	14	18.5
Dimensions (WxDxH)	mm	1115x200x330	1280x340x236
• **Part number**		**ESP022244**	**7001646**
Outdoor units			
Compressor type		Rotary	Scroll
Air flow	m^3/h	2480	1300
Acoustic pressure to 1 m	dB(A)	61	49
Weight	kg	62	84
Dimensions (WxDxH)	mm	846x302x690	900x340x970
• **Part number 1~230 V**		**7002367**	**854549**
Linking specifications between indoor and outdoor units			
Power supply 1~230 V			
Power supply side		Indoor	Outdoor
Fuse rating am	A	20	32
Electrical connections Ind./Out.	mm^2	5x2.5	6x1.5
Linking pipes			
Max. lenght	m	15	25
Max. height	m	7	15
Suction pipe diameter	Inches	5/8”	5/8”
Liquid pipe diameter	Inches	1/4”	3/8”

Floor/Ceiling PXD

Product benefits

- Ceiling or low wall mounting.
- Automatic horizontal and vertical sweeping of air treated.
- Compact and light for easy installation and maintenance.
- Possibility of air conditioning two rooms with a single unit.

Floor ceiling range*

: PXD

*Others models available in Europe range

PXD 9/12/18

PXD 24/30

OU 9/12/18

RC4 Remote control

RCW2 Remote control (accessory)
- Part number 7ACEL1212

Accessories

		PXD 9	PXD 12	PXD 18	PXD 24	PXD 30
Single phase electric heating	Capacity (W)	1250	1250	2000	3000	3000
	• Part number	7ACEL1153	7ACEL1153	7ACEL1154	7ACEL1155	7ACEL1155
Single phase electric heating	Capacity (W)	-	1000	-	1500	1500
	• Part number	-	7ACEL1172	-	7ACEL1173	7ACEL1173
Three phases electric heating	Capacity (W)	-	-	-	3000	3000
	• Part number	-	-	-	7ACEL1156	7ACEL1156
Condensate lift pump	• Part number	7ACFH0221	7ACFH0221	7ACFH0221	7ACFH0221	7ACFH0221
Air distribution unit	• Part number	7ACVF0122	7ACVF0122	7ACVF0122	7ACVF0123	7ACVF0123
Rear panel tube cover (ceiling mounting)	• Part number	7ACTL0073	7ACTL0073	7ACTL0073	7ACTL0074	7ACTL0074
Mounting bracket	• Part number	7ACTL0016	7ACTL0016	7ACTL0018	7ACTL0018	7ACTL0018

5 Heat Pump models R22 : from 2 700 to 8 420 W

PXD SERIES		PXD 9 RC	PXD 12 RC	PXD 18 RC (1)	PXD 24 RC (1)	PXD 30 RC
Cooling Capacity	**kW**	**2.64**	**3.52**	**5.42**	**7.12**	**8.8**
Power Input	kW	1.07	1.36	1.92	2.58	3.68
EER/Energy Label		2.47/E	2.59/E	2.83/C	2.76/D	2.4/F
Out. temperature operating limits	°C	□21 °/46 ° Dry Bulb□				
Heating Capacity	**kW**	**2.7**	**3.52**	**5.85**	**7.46**	**8.42**
Power Input	kW	1	1.28	2.15	2.6	3.24
COP/Energy Label		2.52/F	2.59/F	3.05/D	2.89/D	2.29/G
Out. temperature operating limits	°C	□-9 °/24 ° Dry Bulb□				
Indoor units						
Dehumidification	l/h	1	1.5	2.4	2.5	-
Air flow (LS/NS/HS)	m³/h	290/330/350	350/390/420	460/515/560	700/820/930	740/895/1020
Acoustic pressure to 1 m (LS/NS/HS)	dB(A)	35/37/38	38/41/45	40/44/48	44/48/52	45/51/54
Weight	kg	21	21	23	29.5	32
Dimensions (WxDxH)	mm	820x190x630	820x190x630	820x190x630	1200x190x630	1200x190x630
• **Part number**		**ESP012125**	**ESP012126**	**ESP012128**	**ESP012129**	**ESP012130**
• **Part number with rotary (1)**		**-**	**-**	**ESP012149**	**ESP012129**	**-**
Outdoor units						
Compressor type		Rotary	Rotary	Scroll	Scroll	Scroll
Acoustic pressure to 1 m	dB(A)	42	43	47	47	49
Weight	kg	31	37	56	58	84
Dimensions (WxDxH)	mm	760x245x545	760x245x545	846x302x690	846x302x690	900x340x860
• **Part number 1~230 V**		**7001883**	**7001856**	**7853672**	**7853670**	**854549**
• **Part number with rotary (1)**		**-**	**-**	**7001314**	**7001312**	**-**
Linking specifications between indoor and outdoor units						
Power supply 1~230 V						
Power supply side		Indoor	Indoor	Ind. or Out.	Ind. or Out.	Outdoor
Power cable section (without heating)	mm²	3x1.5	3x1.5	3x2.5	3x2.5	3x4
Fuse rating am	A	10	16	20	20	25
Electrical connections Ind./Out.	mm²	5x1	5x1.5	6x2.5*	6x2.5*	6x1.5
Power supply 3N~400 V						
Power supply side		-	-	Outdoor	Outdoor	Outdoor
Power cable section (without heating)	mm²	-	-	5x1.5	5x1.5	5x1.5
Fuse rating am	A	-	-	3x6	3x8	3x10
Electrical connections Ind./Out.	mm²	-	-	6x1.5	6x1.5	6x1.5
Linking pipes						
Max. lenght	m	15	15	25	15	30
Max. height	m	7	7	10	7	10
Suction pipe diameter	Inches	3/8”	1/2”	5/8”	5/8”	5/8”
Liquid pipe diameter	Inches	1/4”	1/4”	3/8”	3/8”	3/8”

* In the case of connections to an indoor unit.

Cassettes ECF & ECF XL

Product benefits

- Four motorised treated air blowing flaps.
- Flush fitting into a suspended ceiling.
- 600x600 format (ECF)/900X900 (ECF XL).
- Air distribution in 2, 3 or 4 directions.
- Flush fitting : 287 mm (ECF); 230 mm (ECF XL).
- New air intake.
- Integrated condensate drainage lift pump.

Cassette range*

: ECF/ECFXL

*Others models available in Europe range

Indoor unit ECF 9/11/15/18/24

Indoor unit ECF XL 30/36/45

RC3 Remote control

Outdoor unit

OU 36/45

RCW2 Remote control (accessory)
- Part number 7ACEL1212

Models available with Rotary compressor (1)

Indoor units	• Part number	ESP042129	ESP042111
Outdoor units	• Part number	7001314	7001312

Accessories

		ECF 9 LV	ECF 11 LV	ECF 18 LV/R	ECF 24 LV/R	ECFXL 30RC	ECFXL 36RC	ECFXL 45RC
Adapter Frame solid cellings	• Part number	7ACVF0091	7ACVF0091	7ACVF0091	7ACVF0091	-	-	-
Mounting bracket	• Part number	7ACTL0016	7ACTL0016	7ACTL0018	7ACTL0018	7ACTL0018	7ACTL0013	7ACTL0013
All seasons kit	• Part number	7ACFH0077	7ACFH0077	7ACFH0077	7ACFH0077	7ACFH0078	-	-
Frame 900x900	• Part number	-	-	-	-	EACVF002	EACVF002	EACVF002

7 Heat Pump models R22: from 2980 to 13500 W

ECF SERIES		ECF 9 LV	ECF 11 LV	ECF 18 LV(1)	ECF 24 LV(1)	ECF XL 30RC	ECF XL 36RC	ECF XL 45RC
Cooling Capacity	**kW**	**2.65**	**3.22**	**5.7**	**6.8**	**8.3**	**9.9**	**11.5**
Power Input	kW	1.1	1.05	1.93	2.63	3.16	3.65	4.6
EER/Energy Label		2.41/E	3.1/B	2.95/C	2.6/D	2.62/D	2.71/D	2.5/E
Out. temperature operating limits	°C				□10°/46° Dry Bulb□			
Heating Capacity	**kW**	**2.98**	**3.3**	**5.8**	**7.2**	**10.2**	**11.3**	**13.5**
Power Input	kW	0.97	0.97	2.04	2.67	3.37	3.65	4.7
COP/Energy Label		3.07/E	3.4/C	2.84/D	2.7/E	3.02/D	3.1/D	2.87/D
Out. temperature operating limits	°C				□-9°/24° Dry Bulb□			
Indoor units								
Air flow (LS/MS/HS)	m^3/h	430/470/600	375/500/550	530/640/760	590/660/760	985/1120/1200	1025/1125/1220	1200/1330/1525
Acoustic pressure to 1 m (LS/MS/HS)	dB(A)	33/35/42	33/37/42	33/37/40	37/41/45	47/50/52	42/44/46	45/47/50
Condensate drainage pipe (diam.)	mm	16	16	16	16	-	-	-
Weight	kg	26	26	26	30	42	48	48
Flush mounted indoor unit (WxDxH)	mm	571x571x287	571x571x287	571x571x287	571x571x287	840x840x230	840x840x300	840x840x300
Frame (WxDxH)	mm	625x625x40	625x625x40	625x625x40	625x625x40	950x950x46	950x950x46	950x950x46
• **Part number**		**ESP042107**	**ESP042108**	**ESP042110**	**ESP042111**	**ESP042113**	**ESP042114**	**ESP042115**
• **Part number with Rotary (1)**		**-**	**-**	**ESP042129**	**ESP042111**	**-**	**-**	**-**
Outdoor units								
Compressor type		Rotary	Rotary	Scroll	Scroll	Scroll	Scroll	Scroll
Acoustic pressure to 1 m	dB(A)	41	42	47	47	62	62	56
Weight	kg	31	37	56	58	87	92	120
Dimensions (WxDxH)	mm	760x245x545	760x245x545	850x370x690	850x370x690	950x412x835	950x412x835	950x412x1260
• **Part number 1~230 V**		**7001883**	**7001856**	**7853672**	**7853670**	**854549**	**854372**	**-**
• **Part number 1-230 V with Rotary (1)**		**-**	**-**	**7001314**	**7001312**	**-**	**-**	**-**
• **Part number 3N~400 V**		**-**	**-**	**-**	**-**	**-**	**854373**	**854375**
Linking specifications between indoor and outdoor units								
Power supply 1~230 V								
Power supply side		Indoor	Indoor	Ind. or Out.*	Ind. or Out.*	Outdoor	-	-
Power cable section (without heating)	mm^2	3x1.5	3x1.5	3x2.5	3x2.5	3x4	-	-
Fuse rating am	A	10	16	20	20	25	-	-
Electrical connections	mm^2	5x1.5	5x1.5	6x2.5*	6x1.5*	6x2.5	-	-
Power supply 3N~400 V								
Power supply side		-	-	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Power cable section (without heating)	mm^2	-	-	5x1.5	5x1.5	5x2.5	5x2.5	5x2.5
Fuse rating am	A	-	-	3x6	3x10	3x16	3x16	3x16
Electrical connections	mm^2	-	-	6x1.5	6x1.5	6x1.5	6x2.5	6x2.5
Linking pipes								
Max. lenght	m	15	15	25	25	30	50	50
Max. height	m	7	7	10	10	15	25	25
Suction pipe diameter	Inches	3/8"	1/2"	5/8"	5/8"	5/8"	3/4"	3/4"
Liquid pipe diameter	Inches	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"

* In the case of connection to an indoor unit.

Ducted LS

Product benefits

- Suspended ceiling installation.
- Horizontal or vertical mounting (models 35/45/55/65/85/90).
- Horizontal mounting only (model 105).
- Low built in height (300 mm).
- Pressure available for connection to a duct network.
- Sets of accessories for air intake and distribution via ducts or grilles.

Ducted range*

: LS ———— EMD B

*Others models available in Europe range

Indoor unit LS

Outdoor unit

RC4 Remote control

RCW2 Remote control (accessory)
- Part number 7ACEL1212

Models available with Rotary compressor 1~230 V (1)

		LS 55 RC/R	LC 65 RC/R
Indoor units	• Part number	ESP022316	ESP022222
Outdoor units	• Part number	7001314	7001312

Accessories

		LS 35 RC	LS 55 RC/R	LS 65 RC/R	LS 85 RC	LS 85 RC	LS 90 RC	LS 105 RC
N°1 cassette air intake plenum kit	• Part number	7ACVF0075	7ACVF0075	7ACVF0076	7ACVF0076	7ACVF0076	-	-
N°2 duct connection plenum kit	• Part number	7ACVF0073	7ACVF0073	7ACVF0074	7ACVF0074	7ACVF0074	-	-
Kit electric heating	• Part number	7ACEL1305	7ACEL1306	7ACEL1259	7ACEL1259	7ACEL1259	-	7ACEL1267

6 Heat Pump models R22 : from 3 200 to 11 000 W

LS SERIES		LS 35 RC	LS 55 RC (1)	LS 65 RC (1)	LS 85 RC	LS 90 RC	LS 105 RC
Cooling Capacity	**kW**	**3.20**	**5.52**	**6.70**	**8.50**	**9.00**	**10.26**
Power Input	kW	1.05	1.9	2.7	3.5	3.3	3.8
EER/Energy Label		3.05/B	2.91/C	2.48/E	2.43/E	2.69/D	2.67/D
Out. temperature operating limits	°C				21 °/46 ° Dry Bulb		
Heating Capacity	**kW**	**3.20**	**6.08**	**7.30**	**9.01**	**9.43**	**11**
Power Input	kW	0.96	1.94	2.55	3.48	3.07	3.84
COP/Energy Label		3.33/C	3.13/D	2.86/D	2.59/F	3.07/D	2.86/D
Out. temperature operating limits	°C				-9 °/24 ° Dry Bulb		
Indoor units							
Air flow (LS/MS/HS)	m³/h	360/450/580	660/710/800	910/1035/1120	940/1150/1230	1175/1380/1535	1175/1380/1535
Available static pressure (LS/MS/HS)	daPa	3.2/3.8/4.3	3/3.5/4	2.4/3.2/4	2/3/4	3.7/7	3.7/7
Acoustic pressure to 1 m (LS/NS/HS)	dB(A)	35	49	41	54.5	54.5	54.5
Weight	kg	30	31	37	37	31	38
Dimensions (WxDxH)	mm	860x680x245	860x680x245	1190x675x270	1190x675x270	930x475x300	1100x475x300
• **Part number**		**ESP022219**	**ESP022221**	**ESP022222**	**ESP022223**	**854387**	**ESP022252**
Outdoor units							
Compressor type		Rotary	Scroll	Scroll	Scroll	Scroll	Scroll
Acoustic pressure to 1 m (LS/NS/HS)	dB(A)	43	47	47	62	-	62
Weight	kg	37	56	58	82	80	93
Dimensions (WxDxH)	mm	760x245x545	850x370x690	850x370x690	900x340x860	900x340x860	900x340x970
• **Part number 1~230 V**		**7001856**	**7853672**	**7853670**	**854549**	**854549**	**854372**
• **Part number 3N~400 V**		**-**	**-**	**-**	**-**	**-**	**854373**
Linking specifications between indoor and outdoor units							
Power supply 1~230 V							
Power supply side		Indoor	Ind. or Out.	Ind. or Out.	Outdoor	-	-
Power cable section (without heating)	mm²	3x1.5	3x2.5	3x2.5	3x4	-	-
Fuse rating am	A	16	20	20	25	-	-
Electrical connections Ind./Out.	mm²	5x1.5	6x2.5*	6x2.5*	6x2.5*	-	-
Power supply 3N~400 V							
Power supply side		-	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Power cable section (without heating)	mm²	-	5x1.5	5x1.5	5x2.5	5x2.5	5x1.5
Fuse rating am	A	-	3x10	3x10	3x12	3x16	3x16
Electrical connections Ind./Out.	mm²	-	6x1.5	6x1.5	6x1.5	6x1.5	6x1.5
Linking pipes							
Max. lenght	m	15	25	25	30	30	50
Max. height	m	7	10	10	10	10	25
Suction pipe diameter	Inches	1/2"	5/8"	5/8"	5/8"	5/8"	3/4"
Liquid pipe diameter	Inches	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"

Ducted EMDB

Product benefits

- Scroll Compressor.
- Air pressure available for duct network.
- Suspended ceiling installation.
- Humidity control.
- Airconet connection (options).

Ducted range

: LS ——— EMD B

Others models available in Europe range

Indoor unit EMDB 1450

2 Heat Pump models R22: from 13 750 to 15 820 W

EMDB SERIES		EMDB 1450 RC	EMDB 1800 RC
Cooling Capacity	**kW**	**13.48**	**15.82**
Power Input	kW	5.18	5.99
EER		2.6	2.64
Outdoor temperature operating limits	°C	←21 °/46 ° Dry Bulb→	
Heating Capacity	**kW**	**13.75**	**15.82**
Power Input	kW	4.44	5.125
COP		3.1	3.1
Outdoor temperature operating limits	°C	←-9 °/24 ° Dry Bulb→	
Indoor unit			
Air flow (HS)	m³/h	2120	2830
Acoustic pressure to 1 m (LS/MS/HS)	dB(A)	49/52/55	52/56/60
Weight	kg	42	46
Dimensions (WxDxH)	mm	1093x620x435	1140x680x400
• **Part number**		**ESP022319**	**ESP022320**
Outdoor unit			
Compressor type		Scroll	Scroll
Weight	kg	95	110
Dimensions (WxDxH)	mm	900x340x970	900x340x1250
• **Part number 3N~400 V**		**853699**	**820293**
Linking specifications between indoor and outdoor units			
Power supply 3N~400 V			
Power cable section (without heating)	mm²	5x2.5	5x2.5
Fuse rating am	A	3x20	3x20
Electrical connections	mm²	6x1.5	6x1.5
Linking pipes			
Max. lenght	m	50	50
Max. height	m	25	25
Suction pipe diameter	Inches	3/4"	7/8"
Liquid pipe diameter	Inches	3/8"	1/2"

RC3 Remote control

OU EMDB 1800

Multisplits DUO

Product benefits

- Rotary Compressor.
- Possibility of air conditioning two separate rooms with a single unit.
- Compatible with WMZ, PXD, ECF and LS indoor units.

Multisplit range

: DUO

DUO available on request between 8 and 13 KW

OU DUO

4 Heat Pump models : from 4 400 to 7 000 W

DUO SERIES		DUO 7/7 RC	DUO 9/9 RC	DUO 9/12 RC	DUO 12/12 RC
Cooling Capacity	**kW**	**4.2 (2x2.1)**	**5.2 (2x2.6)**	**5.9 (2.6 + 3.3)**	**6.6 (2x3.3)**
Power Input	kW	1.7	2.02	2.83	2.72
EER/ Energy Label		2.47/E	2.57	2.08	2.57
Heating Capacity	**kW**	**4.4 (2x2.2)**	**5.4 (2x2.8)**	**5.9 (2.6 + 3.3)**	**7 (2x3.5)**
Power Input	kW	1.44	1.96	2.33	2.78
COP/ Energy Label		3.06/D	2.76/E	2.53/F	2.52/F
Outdoor unit					
Noise level	dB(A)	49	53	53	57
Compressor type		Rotary	Rotary	Rotary	Rotary
Weight	kg	52	60	62	64
Dimensions (WxDxH)	mm	850x370x690	850x370x690	850x370x690	850x370x690
• **Power supply 1~230 V - Part number**		**7001751**	**7001831**	**7001830**	**7001863**
Linking specifications between indoor and outdoor units					
Power supply 1~230 V					
Power supply side		Outdoor	Outdoor	Outdoor	Outdoor
Fuse rating am	mm^2	10	16	20	10
Electrical connections	mm^2	2x (6x1.5)	2x (6x1.5)	2x (6x1.5)	2x (6x1.5)
Linking pipes					
Max. lenght	m	2x15	2x15	2x15	2x15
Max. height	m	2x6	2x6	2x6	2x6
Suction pipe diameter	Inches	2x3/8"	2x3/8"	1/2" + 3/8"	2x1/2"
Liquid pipe diameter	Inches	2x1/4"	2x1/4"	2x1/4"	2x1/4"

Notes

ELECTRA

Your approved distributor

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